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By MARY A. AGNEW
Office of Experiment Stations

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KEY TO ABBREVIATIONS

Acct., Accountant, Accounts.
Actg., Acting.
Admin., Administration, Administrative.
Agr., Agriculture, Agriculturist, Agricultural.
Agron., Agronomy, Agronomist.
Agt., Agent.
An., Animal.
Anal., Analytical, Analysis.
Anat., Anatomy.
Arch., Architect, Architecture, Architectural.
Assoc., Associate, Association.
Asst., Assistant.
Bact., Bacteriology, Bacteriologist.
Biochem., Biochemist, Biochemistry, Biochemical.
Biol., Biology, Biologist, Biological.
Bldg., Building, Buildings.
Bot., Botany, Botanist, Botanical.
Brdg., Breeding.
Bul., Bulletin.
Chair., Chairman.
Chem., Chemistry, Chemist, Chemical.
Climat., Climatology, Climatologist.
Coll., College.
Comp., Comparative.
Comn., Commission.
Comr., Commissioner.
Consult., Consulting.
Coop., Cooperation, Cooperative, Cooperator.
Corresp., Correspondence, Correspondent.
Dem., Demonstration, Demonstrator.
Dept., Department.
Dir., Director.
Dist., District.
Div., Division.
Dom., Domestic.
Ecol., Ecology, Ecologist, Ecological.
Econ., Economy, Economic, Economics, Economist.
Ed., Education.
Engin., Engineer, Engineering.
Ent., Entomology, Entomologist, Entomological.
Erad., Eradication.
Expt., Experiment, Experimentalist, Experimental.
Ext., Extension.
Fert., Fertility, Fertilizer.
Flor., Floriculture, Floriculturist, Floricultural.
For., Forestry, Forester.
Gard., Gardening, Gardener.
Gen., General.
Geol., Geology, Geologist, Geological.
Grad., Graduate.
Histol., Histology, Histologist.
Hon., Honorary.
Hort., Horticulture, Horticulturist, Horticultural.
Husb., Husbandry, Husbandman.
Hyg., Hygiene.
Illus., Illustration, Illustrative.
Indus., Industry, Industrial, Industries.
Inorg., Inorganic.
Insp., Inspection, Inspector.
Instr., Instructor, Instruction.
Insts., Institutes.
Invest., Investigations, Investigational, Investigator.
Irrig., Irrigation, Irrigationist.
Lab., Laboratory.
Landsc., Landscape.
Lect., Lecturer.
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Mach., Machine, Machinery.
Mech., Mechanics, Mechanical.
Med., Medicine, Medical.
Met., Meteorology, Meteorologist.
Mfg., Manufacturing.
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Microbiol., Microbiology, Microbiologist.
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Morphol., Morphology, Morphologist.
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Nutr., Nutrition, Nutritionist.
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Org., Organic.
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Path., Pathology, Pathologist, Pathological.
Pedag., Pedagogy, Pedagogics.
Pharm., Pharmacy, Pharmacist, Pharmaceutical.
Pharmacol., Pharmacology, Pharmacologist.
Photog., Photography, Photographer.
Phys., Physics, Physical.
Physiol., Physiology, Physiologist, Physiological.
Phytopath., Phytopathology, Phytopathologist, Phytopathological.
P. O., Post Office.
Pomol., Pomology, Pomologist, Pomological.
Pract., Practice, Practical.
Prep., Preparatory.
Pres., President.
Prin., Principal.
Prod., Production.
Prof., Professor.
Pubs., Publications.
Sci., Science, Scientist, Scientific.
Sect., Section.
Secy., Secretary.
Secon., Secondary.
Sociol., Sociology, Sociologist.
Sta., Station.
Subsect., Subsection.
Substa., Substation.
Supt., Superintendent.
Supvr., Supervisor.
Surg., Surgery.
Tech., Technology, Technologist, Technical.
Treas., Treasurer.
Trop., Tropical.
Univ., University.
Veg., Vegetable, Vegetation.
Vet., Veterinary, Veterinarian.
Vit., Viticulture, Viticulturist, Viticultural.
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Zool., Zoology, Zoologist, Zoological.

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NOTE.—In the preparation of this publication Miss Agnew was assisted by Betty T. Richardson, of the Office of Experiment Stations.

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A key to the abbreviations used is given on page IV.

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†F. H. Wymore, M. S., *Assoc. in Ent.* (*P. O., Davis*).

Extension (Admin.):[2]

Director Crocheron *in charge.*
‡Harriet G. Eddy, A. B., *State Home Dem. Leader.*
‡Lillian D. Clark, *Asst. State Home Dem. Leader.*
‡T. C. Mayhew, B. S., *Asst. State Leader, Coast Counties.*
‡W. R. Ralston, B. S., *Asst. State Club Leader, Southern Counties.*
‡C. W. Rubel, B. S., *Asst. State Leader, Northern Counties.*
‡May Secrest, B. S., *Asst. State Home Dem. Leader.*
‡Fleda E. Smith, B. S., *Asst. State Home Dem. Leader.*
‡L. B. Smith, B. S., *Asst. State Leader, Southern Counties.*
‡F. M. Spurrier, B. S., *Asst. State Club Leader, Northern Counties.*
‡J. E. Tippett, B. S., *Asst. County Agt. Leader and in charge of Specialists.*
‡W. G. Waterhouse, B. S., *Asst. State Club Leader, Coast Counties.*

[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

Extension (Admin.)—Continued.

‡Harold Ellis, *Information and Publicity.*
‡C. F. Elwood, B. S., *Asst. Prof. in charge Public Service Office.*
‡T. F. Hunt, B. S., *Assoc. Prof. Agr. Ext. in charge of Unorganized Counties.*
‡W. J. Norton, Ph. G., *Illus. Materials Specialist.*

Forestry:

*†Walter Mulford, F. E., *Head of Div.*
*†F. S. Baker, F. E., *Assoc. Prof. For.; Assoc. Silviculturist.*
*Emanuel Fritz, M. E., M. F., *Assoc. Prof. For.*
*†Joseph Kittredge, jr., M. F., Ph. D., *Prof. For.; For. Ecol.*
*†M. E. Krueger,[1] M. S., *Assoc. Prof. and Assoc. For.*
*†H. E. Malmsten, B. S. F., *Asst. Prof. and Asst. For.*
*‡Woodbridge Metcalf, M. S., *Assoc. Prof. and For. Specialist.*
*†A. W. Sampson, Ph. D., *Assoc. Prof. For.: Plant Ecol.*

Genetics (Agr.):

*†E. B. Babcock, M. S., *Head of Div.*
†John Belling, Sc. D., *Research Assoc. in Genetics.*
†D. R. Cameron, Ph. D., *Research Asst. in Genetics.*
*R. E. Clausen, Ph. D., *Prof. Genetics.*
†J. W. Lesley, Ph. D., *Asst. Plant Breeder (P. O., Riverside).*
*C. F. Poole, Ph. D., *Lect. in Genetics.*

Home Economics:

*†Mrs. Agnes F. Morgan, Ph. D., *Chair. Dept. of Household Sci.; Research Assoc. in Nutr.*
*Mary F. Patterson, *Chair. Dept. of Household Art and Design.*
*Florence A. Armstrong, Ph. D., *Asst. Prof. Household Sci.*
‡Jessie L. Decker, *Home Furnishing Specialist.*
‡Ethelwyn M. Dodson, B. S., *Clothing Specialist.*
*Helen W. Fancher, *Assoc. in Household Art.*
†Anne Field, M. A., *Research Asst. in Fruit Prod.*
‡Hally Flack, M. A., *Child Development and Parent Training Specialist.*
*Hope M. Gladding, *Assoc. Prof. Household Art and Design.*
*Mae N. Lent, *Assoc. in Household Art.*
*Ruth E. Okey, Ph. D., *Assoc. Prof. Household Sci.*
*Lila M. O'Neale, Ph. D., *Assoc. Prof. Household Art.*
*Irene H. Sanborn, Ph. D., *Instr. Household Sci.*

Horticulture:

*†L. D. Batchelor, Ph. D., *Prof. Orchard Mgt., Grad. School of Trop. Agr.; Hort., Citrus Sta. (P. O., Riverside).*
*†F. T. Bioletti, M. S., *Head Div. of Vit. and Fruit Products.*
*†W. H. Chandler, Ph. D., *Head Div. of Pomol.*
*†J. W. Gregg, B. S., *Head Div. of Landsc. Design.*
*†R. W. Hodgson, M. S., *Head Div. of Subtrop. Hort. (P. O., Los Angeles).*
*†H. A. Jones, Ph. D., *Head Div. of Truck Crops (P. O., Davis).*
†F. W. Allen, M. S., *Assoc. Pomol. (P. O., Davis).*

Horticulture—Continued.

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†A. C. Austin, *Lab. Asst. in Plant Brdg. (P. O., Riverside).*
†O. L. Braucher, *Asst. in Orchard Mgt. (P. O., Riverside).*
*†I. J. Condit, Ph. D., *Assoc. Prof. and Assoc. Subtrop. Hort.*
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*†L. D. Davis, Ph. D., *Asst. Prof. and Asst. Pomol. (P. O., Davis).*
†L. H. Day, M. S., *Asst. Pomol. (P. O., Davis).*
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*†S. L. Emsweller, Ph. D., *Asst. Prof. Truck Crops; Asst. Oler. (P. O., Davis).*
†H. B. Frost, Ph. D., *Assoc. Plant Breeder (P. O., Riverside).*
†F. F. Halma, Ph. D., *Asst. Hort. (P. O., Riverside).*
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*A. R. Davis, Ph. D., *Prof. Plant Physiol.*
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†H. J. Almquist, Ph. D., *Analyst.*
†C. A. Gunns, *Technician in Poultry Husb.*
†W. E. Lloyd, B. S., *Assoc. Poultry Husb. (P. O., Davis).*
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‡F. A. Anderson, *Dir. Ext. Service*

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†W. W. Austin, B. S., *Asst. Agron.*
†C. H. Dodson, B. S., *Asst. Agron.*
†Robert Gardner, M. S., *Asst. in Agron.*
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*†W. H. Leonard, M. S., *Asst. Prof. and Asst. Agron.*
†D. W. Robertson, Ph. D., *Assoc. Agron. (Cereal Brdg.).*
‡T. G. Stewart, B. S., *Ext. Agron.*

Animal Industry:

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‡A. C. Allen, B. S., *Ext. An. Husb.*

Animal Industry—Continued.

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*W. R. Freeman, B. S., *Instr. Dairy Insp. (State Dairy Comr.).*
*F. H. Leinbach, M. S., *Assoc. Prof. An. Husb.*
*R. B. Locke, M. S., *Assoc. Prof. in charge Dairy Mfg. and Official Testing.*
*†H. B. Osland, M. S., *Assoc. in An. Invest.*
‡C. A. Smith, B. S., *Ext. Dairyman.*
†J. O. Toliver, B. S., *Asst. in An. Invest.*
‡O. C. Ufford, B. S., *Ext. Poultryman.*
‡H. H. Young, *Supt. Egg-Laying Contest (P. O., Canon City).*

[1] On leave.

Bacteriology:

†W. G. Sackett, Ph. D., *Bact.*
†Laura C. Stewart, M. S., *Asst. in Bact.*
†Sarah E. Stewart, M. S., *Asst. in Bact.*

Botany:

*†L. W. Durrell, Ph. D., *Prof. Bot.; Chief Bot. and Plant Path.*
*†E. W. Bodine, M. S., *Asst. in Bot.*
*W. A. Kreutzer, B. S., *Asst. in Bot.*
†E. A. Lungren, M. S., *Assoc. Plant Path.* (*Coop. U. S. D. A.*).
*†Anna M. Lute, B. S., *Instr. Bot.; Seed Analyst.*
*†M. S. Morris, M. S., *Asst. in Range Ecol.; Asst. in Bot.*
*†E. C. Smith, M. S., *Assoc. Prof. Bot. and Curator of Herbarium.*
*†E. J. Starkey, M. S., *Asst. in Bot.; Asst. Plant Path.*
*†B. J. Thornton, M. S., *Assoc. in Bot.*

Chemistry:

†Earl Douglass, M. S., *Head Chem.*
*Mrs. Katharine L. Akin, B. S., *Instr. Chem.*
*E. L. Bailes, M. S., *Asst. Prof. Chem.*
*R. G. Coffin, M. S., *Assoc. Prof. Chem.*
*Shirley Gaddis, M. S., *Instr. Chem.*
*Merle A. Goodwin, B. S., *Instr. Chem.*
*K. G. Irwin, M. S., *Asst. Prof. Chem.*
*C. G. H. Johnson, A. M., *Asst. Prof. Chem.*
*W. E. Pyke, A. B., *Assoc. Prof. Chem.*
*S. C. Tobey, B. A., *Instr. Chem.*
†J. W. Tobiska, M. A., *Assoc. in Chem.*
†C. E. Vail, M. A., *Assoc. in Chem.*
*G. H. Whiteford, Ph. D., *Prof. Chem.*
*Elizabeth M. Wing, A. M., *Assoc. Prof. Chem.*

Economics and Sociology (Rural):

*†L. A. Moorhouse, M. S., *Prof. Rural Econ. and Sociol.; Agr. Econ.*
*†Edna Bigelow, M. S., *Asst. in Econ.*
*†R. T. Burdick, M. S., *Assoc. Prof. and Assoc. in Rural Econ.*
*†B. F. Coen, M. A., *Assoc. Prof. and Assoc. in Rural Sociol.*
*†D. N. Donaldson, M. S., *Assoc. Prof. Econ. and Finance; Assoc. in Mktg.*
‡W. F. Droge, M. S., *Ext. Econ. in Farm Mgt.* (*P. O., Montrose*).
*†C. C. Gentry, M. A., *Asst. Prof. and Asst. Sociol.*
†G. S. Klemmedson, M. S., *Assoc. Agr. Econ.*
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‡J. L. Shields, B. S., *Ext. Econ. in Farm Mgt.* (*P. O., Alamosa*).
‡E. D. Smith, B. A., *Ext. Econ. in Mktg.*
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Editorial:

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*†‡Esther Horsley, *Asst. Editor.*
*†‡I. G. Kinghorn, *Pub. Editor.*
*†‡Arthur Robinson, *Assoc. Editor.*

Education (Rural and Voc.):

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*Mary F. Inman, B. S., *Asst. Teacher Trainer in Home Econ. Ed.*
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Engineering (Agr.):

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†L. R. Brooks, B. S., *Asst. in Irrig. Invest.*
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†R. L. Parshall, B. S., *Irrig. Invest.* (*Coop. U. S. D. A.*).
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Entomology and Zoology:

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*†Miriam A. Palmer, M. S., *Assoc. Prof. and Assoc. in Ent.*
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Extension (Admin.):[1]

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Forestry:

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*B. O. Longyear, B. S., M. F., *Assoc. Prof. For.*

Home Economics:

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†M. A. Barmore, Ph. D., *Assoc. in Home Econ. Invest.*
*Charlotte E. Carpenter, M. A., *Assoc. Prof. Home Econ.*
*Huldah Cooke, B. S., R. N., *Asst. Prof. Home Econ.*
*Ida M. Didier, M. S., *Asst. Prof. Home Econ.*
*Bertha R. Most, A. B., *Assoc. Prof. Home Econ.*
*Frances A. Starin, M. S., *Assoc. Prof. Home Econ.*
‡Mary E. Sutherland, B. S., *Ext. Econ., Home Mgt.*
‡Miriam J. Williams, B. S., *Ext. Nutr.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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Dean and Dir. Sandsten *in charge.* (*State Hort.*)
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*†G. A. Beach, B. S., *Asst. Prof. and Asst. in Hort.*
*†A. M. Binkley, M. S., *Assoc. Prof. and Assoc. Hort.*
‡W. M. Case, *Ext. Hort.*
†C. H. Metzger, M. S., *Assoc. Hort.*
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Physics:

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*G. Z. Dimitroff, M. A., *Assoc. Prof. Phys.*
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Veterinary Medicine:

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†Floyd Cross, B. S., D. V. M., *Assoc. Vet. Path.*
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Veterinary Medicine—Continued.

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Miscellaneous:

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Substations:

Ark. Valley Substa., *P. O., Rocky Ford*—Herman Fauber, M. S., *Asst. Hort., in charge.*
Cheyenne Wells Substa., *P. O., Cheyenne Wells*— ——— ———.
Fort Lewis Substa., *P. O., Hesperus*—D. W. Koonce, M. S., *Asst. in Agron.*
Mountain Vegetable Substa., *P. O., Avon*— ——— ———.
Orchard Substa., *P. O., Austin*—F. M. Green, B. S., *Asst. Hort.* (*Chief Deputy State Hort.: P. O., Delta*).

CONNECTICUT

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Bacteriology:

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*Christie J. Mason, B. Agr., *Instr. Bact.*
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Botany—Continued.

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[1] For subject-matter workers see the respective division: i. e., agronomy, animal diseases, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.
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‡DuPre Barrett, B. S. F., *Ext. For.*
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Entomology—*See* **Zoology.**

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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
[3] Courses given in College of Letters and Science.

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*C. G. Geltz, M. S., *Asst. Prof. For.*
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*Laurentza S. Hansen, M. A., *Head Dept. of Applied Design.*
*Amy Howe, M. A., *Head Dept. of Textiles and Clothing.*
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*Helen K. Foster, B. S., *Asst. in Applied Design.*
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‡Inez E. Kent, B. S., *Asst. in Home Econ.*
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†H. M. Cleaver, M. S., *Asst. in Hort.*
†F. C. Gaylord, B. S., *Assoc. in Hort.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

Horticulture—Continued.

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†Roy E. Roberts, M. S., *Assoc. in Poultry Husb.*
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†D. M. Doty, M. S., *Asst. Chem., State Chem. Dept.*
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State Chemical Work—Continued.

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†Regina B. Schulte, A. B., *Asst. Bot. in State Chem. Dept.* (*Coop. U. S. D. A.*).
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Miscellaneous:

†‡J. C. Allen, *Photog.*
*W. M. Hepburn, M. A., B. L. S., *Libr.*
*W. O. Mills, B. S., *Field Service Representative in Agr.*
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†I. Elizabeth Sempill, *Asst. Libr.*

Substations:

Herbert Davis Forestry Farm, *P. O., Farmland*—L. E. Hampton, *Supt.*
Moses Fell Annex Expt. Farm, *P. O., Bedford*—H. G. Hall, *Supt.*
Pinney-Purdue Expt. Farm, *P. O., Wanatah*—Harry Brunner, *Supt.*
Purdue Vincennes Expt. Farm, *P. O., Vincennes*—Arthur Goss, M. S., *Supt.*

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*E. W. Bird, Ph. D., *Asst. Prof. Chem.*
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Chemistry—Continued.

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*N. A. Clark, Ph. D., *Assoc. Prof. Soils Chem.*
*R. R. Coons, Ph. D., *Instr. Chem.*
*Rachel H. Edgar, Ph. D., *Assoc. Prof. Textile Chem.*
*E. I. Fulmer, Ph. D., *Prof. Biophys. Chem.*
†W. G. Gaessler, M. S., *Research Assoc. Chem.*
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*J. W. Greer, B. S., *Instr. Chem.*
*W. H. Jennings, Ph. D., *Assoc. Prof. Phys. Chem.*
*I. B. Johns, jr., Ph. D., *Asst. Prof. Chem.*
*W. B. King, Ph. D., *Asst. Prof. Chem.*
*O. E. Lowman, Ph. D., *Instr. Chem.*
*P. A. Moore, M. S., *Instr. Chem.*
*Nellie M. Naylor, Ph. D., *Assoc. Prof. Chem.*
*V. E. Nelson, M. S., *Prof. Physiol. and Nutr. Chem.*
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Economics (Agr.)—Continued.

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*†T. W. Schultz, Ph. D., *Assoc. Prof. and Research Assoc. Agr. Econ.*
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‡W. H. Stacy, M. S., *Ext. Assoc. Prof. Rural Organ. and Sociol.*
†‡W. D. Termohlen, M. S., *Research Asst. Agr. Econ., Ext. Asst. Prof. Mktg.*
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Editorial—*See* **Journalism.**

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*Cora B. Miller, M. A., *Prof. and Head Home Econ. Ed.*
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Entomology—*See* **Zoology.**

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‡P. C. Taff, B. S., *Asst. Dir. (State Club Leader).*
‡Neale S. Knowles, *State Home Dem. Leader.*
‡Mrs. Josephine A. Bakke, B. S., *in charge Girls' Club Work.*
‡Mrs. Edith P. Barker, *Asst. State Club Leader.*
‡Grant Chapman, *Supt. of Farm Tours.*
‡Florence Forbes, B. S., *Agt. in Club Work.*
‡Mrs. Mary K. Gregg, *Asst. State Home Dem. Leader.*
‡W. L. Harper, *Secy.*
‡Mrs. N. May Larson, *Asst. State Home Dem. Leader.*
‡J. S. Quist, B. S., *Asst. State Club Leader.*
‡F. P. Reed, B. S., *Asst. State Club Leader.*
‡Lulu Tregoning, B. S., *Agt. in Club Work.*
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Farm Crops and Soils:

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*†W. H. Stevenson, D. Sc., *Prof. Soils; Vice Dir. of Sta.*
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[1] For subject matter workers, see the respective division; i. e., animal husbandry, bacteriology, etc.

Farm Crops and Soils—Continued.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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*L. S. Corbett, M. S., *Prof. An. Indus.*
*L. M. Dorsey, M. S., *Prof. Dairy Husb.*
*L. P. Gardner, M. S., *Asst. Prof. Poultry Husb.*
*H. W. Hall, M. S., *Asst. Prof. An. Indus.*
‡H. L. Richardson, B. S., *Poultry Specialist.*
*J. R. Smyth, M. S., *Assoc. Prof. Poultry Husb.*
‡R. F. Talbot, B. S., *Dairy Specialist.*
*J. F. Witter, B. S., D. V. M., *Asst. Prof. An. Path.*

Bacteriology:

*E. R. Hitchner, Ph. D., *Prof. Bact.*

Biology:

†W. F. Dove, Ph. D., *Biol.* (*An. Brdg. and Nutr.*).

Biology—Continued.

†J. W. Gowen, Ph. D., Biol. (*Collaborating*).
†R. M. Bailey, B. S., *Assoc. Biol.* (*Plant Brdg. and Nutr.*).
†Mrs. Iva M. Burgess, M. S., *Asst. in Biol.*
†F. B. Chandler, B. S., *Asst. Biol.* (*Blueberry Invest.*).
†J. A. Chucka, Ph. D., *Assoc. Biol.* (*Plant Brdg. and Nutr.*).
†Mildred R. Covell, *Asst. in Biol.*
†Mrs. Emmeline W. Kenney, *Lab. Asst. in Biol.*
†D. B. Lovejoy, B. S., *Asst. in Biol.* (*Plant Brdg.*).
†I. C. Mason, M. S., *Asst. in Biol.* (*Blueberry Invest.*).
†Elizabeth F. Murphy, B. A., *Asst. in An. Brdg. and Nutr.*

Botany and Entomology:

*F. H. Steinmetz, Ph. D., *Prof. Bot. and Ent.*
†Edith M. Patch, Ph. D., *Ent.*
†Alice W. Averill, *Lab. Asst. in Ent.*
*C. O. Dirks, M. S., *Asst. Prof. Ent.*
†J. H. Hawkins, M. S., *Asst. Ent.*
*Fay Hyland, M. S., *Asst. Prof. Bot.*
†C. R. Phipps, Ph. D., *Ent.*
†G. W. Simpson, M. A., *Asst. Ent.*
*†G. P. Steinbauer, Ph. D., *Asst. Prof. Bot.; Seed Analyst.*

Chemistry (Biol. and Agr.):

†J. M. Bartlett, Sc. D., *Chem.*
*H. W. Smith, M. S., *Prof. Biol. and Agr. Chem.*
*L. J. Bowen, B. S., *Instr. Biol. and Agr. Chem.*
*M. E. Freeman, Ph. D., *Asst. Prof. Biol. and Agr. Chem.*
†B. E. Plummer, jr., M. S., *Asst. Chem.*
†E. R. Tobey, M. S., Ch. E., *Chem.*
†C. H. White, Ph. C., *Assoc. Chem.*

Economics (Agr.) and Farm Management:

*†C. H. Merchant, Ph. D., *Prof. Agr. Econ. and Farm Mgt.; Agr. Econ.*
‡R. N. Atherton, B. S., *Ext. Econ. Mktg.*
†Magretta Blackmore, *Asst. in Agr. Econ.*
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†W. E. Schrumpf, M. S., *Asst. Agr. Econ.*
†Dorrice E. Smith, *Asst. in Agr. Econ.*

Editorial:

‡G. K. Rule, B. S., *Agr. Editor.*

Education (Agr.):

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Extension (Admin.):[1]

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‡G. E. Lord, B. S., *County Agt. Leader.*
‡Estelle Nason, B. S., *State Home Dem. Leader.*
‡L. H. Shibles, A. B., *State Club Leader.*
‡Loana M. Spearin, *Asst. State Club Leader.*

Forestry:

*J. M. Briscoe, M. F., *Prof. For.*
*R. I. Ashman, A. B., M. F., *Asst. Prof. For.*
*C. W. L. Chapman, M. S., *Asst. Prof. For.*
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Home Economics:

*†Pearl S. Greene, M. A., *Prof. Home Econ.; Home Econ.*
‡Edna M. Cobb, B. S., *Home Mgt. Specialist.*
*Gladys M. Gould, B. S., *Instr. Home Econ.*
*Helene Heye, M. S., *Asst. Prof. Home Econ.*
†Merna Monroe, M. S., *Asst. in Home Econ. Research.*
*Marguerite R. Musgrave, M. A., *Asst. Prof. Home Econ.*
*Beulah E. Osgood, M. S., *Instr. Home Econ.*
†Lolie Smith, M. S., *Assoc. Home Econ.*
‡Helen C. Spaulding, B. S., *Clothing Specialist.*
*Mrs. Mabel L. Stewart, B. S., *Instr. Home Econ.*
*†Mrs. Marion D. Sweetman, Ph. D., *Prof. and Assoc. Home Econ.*
‡Therese E. Wood, B. S., *Foods Specialist.*

Horticulture:

*J. H. Waring, Ph. D., *Prof. Hort.*
*Roger Clapp, M. S., *Instr. Hort.*
*R. M. Riley, M. S., *Instr. Hort.*

Plant Pathology:

†Donald Folsom, Ph. D., *Plant Path.*
†Gladys E. Babbin, *Asst. in Seed Anal. and Lab. Asst. in Plant Path.*
†Reiner Bonde, M. S., *Assoc. Plant Path.*
†Florence L. Markin, M. S., *Asst. Plant Path.*

Substations:

Aroostook Farm, *P. O., Presque Isle*—S. O. Hanson, *Supt.*
Highmoor Farm, *P. O., Monmouth*—I. H. Cheney, B. S., *Supt.*

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*R. A. Pearson, M. S., LL. D., D. Agr., *President of University*
*†H. J. Patterson, D. Sc., *Dean Coll. of Agr., Dir. of Sta.*
‡T. B. Symons, M. S., D. Agr., *Dir. of Ext. Service*
*M. Marie Mount, M. A., *Dean Coll. of Home Econ.*

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*†G. F. Eppley, M. S., *Assoc. Prof. and Assoc. Agron.*
*†W. B. Kemp, Ph. D., *Prof. Agron. and Genetics, Asst. Dean of Coll.; Assoc. Agron.*
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‡W. B. Posey, B. S., *Tobacco Specialist.*
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†R. L. Sellman, B. S., *Asst. Agron.*
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*†B. E. Carmichael, M. S., *Prof. An. Husb.; An. Husb.*
†H. L. Ayres, *Specialist in Dairy Mfg.*
‡H. C. Barker, B. S., *Dairy Specialist.*
†M. H. Berry, M. S., *Asst. Dairy Husb.*
‡K. A. Clark, M. S., *An. Husb. Specialist.*
‡J. A. Conover, B. S., *Dairy Specialist.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

Animal and Dairy Husbandry—Con.

*†W. E. Hunt, M. S., *Assoc. Prof. and Assoc. An. Husb.*
*†L. W. Ingham, M. S., *Assoc. Prof. and Assoc. in Dairy Prod.*
*†R. C. Munkwitz, M. S., *Assoc. Prof. and Assoc. in Dairy Mfg.*
*†W. C. Supplee, Ph. D., *Asst. in Meat Curing.*

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*J. E. Faber, jr., M. S., *Instr. Bact.*
*Alexander Gow, D. V. M., *Asst. in An. Path.*
†I. M. Moulthrop, D. V. M., *Asst. An. Path. (Poultry).*
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Botany:

*†C. O. Appleman, Ph. D., *Prof. Bot. and Plant Physiol.; Plant Physiol. Dean of Grad. School.*
*†Roland Bamford, Ph. D., *Assoc. Prof. and Assoc. Bot.*
*†G. A. Greathouse, Ph. D., *Asst. Prof. Plant Physiol. and Biophys.; Asst. Plant Physiol.*
‡H. A. Hunter, M. S., *Canning Crops Path.*
†‡R. A. Jehle, Ph. D., *Assoc. and Specialist in Plant Path.*
*†J. B. S. Norton, D. Sc., *Prof. Bot. and Mycol.; Plant Path.*
*†M. W. Parker, Ph. D., *Instr. Plant Physiol. and Biochem.; Asst. Plant Physiol.*
*†‡C. E. Temple, M. A., *Prof. and Specialist in Plant Path. (State Plant Path.).*

Chemistry:

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*L. E. Bopst, B. S., *Chem. in charge Feed and Fert. Insp.*
*H. B. McDonnell, M. S., M. D., *Prof. Agr. Chem.*
*R. C. Wiley, Ph. D., *Assoc. Prof. Anal. Chem.*

Economics—*See* **Farm Management.**

Editorial—*See* **Journalism.**

Education (Agr.) [1]

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‡C. S. Richardson, A. M., *Specialist in Ed. Ext.*
*L. G. Worthington, B. S., *Instr. Agr. Ed.*

Engineering (Agr.):

*†‡R. W. Carpenter, A. B., LL. B., *Prof. Agr. Engin.; Agr. Engin.*
‡C. E. Wise, jr., B. S., *Asst. Specialist in Agr. Engin.*

Entomology:

*†‡E. N. Cory, Ph. D., *Prof. Ent.; Ent (State Ent.).*
*†‡G. J. Abrams, M. S., *Instr. and Asst. in Ent. (Bees).*
†L. P. Ditman, Ph. D., *Asst. Ent.*
†‡Castillo Graham, M. S., *Asst. Specialist in Ent.*
*Paul Knight, M. S., *Asst. Prof. Ent.*
†‡G. S. Langford, Ph. D., *Assoc. Ent. and Specialist in Insect Control.*
†H. S. McConnell, M. S., *Assoc. Ent.*

Extension (Admin.): [2]

Director Symons *in charge.*
‡E. I. Oswald, B. S., *County Agt. Leader.*
‡Dorothy Emerson, *State Girls' Club Agt.*
‡E. G. Jenkins, *State Boys' Club Agt.*
‡Venia M. Kellar, B. S., *State Home Dem. Agt.*

Farm Management and Economics (Agr.):

*†‡S. H. DeVault, Ph. D., *Prof. Agr. Econ.; Agr. Econ.*
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‡F. B. Bomberger, A. M., D. Sc., *Consult. Specialist in Mktg.*
‡J. A. Dickey, M. A., *Farm Mgt. Specialist.*
†A. B. Hamilton, M. S., *Asst. Agr. Econ.*
‡W. E. Harrison, *Asst. Mktg. Specialist.*
†Ray Hurley, M. S., *Asst. Agr. Econ.*
‡Paul Nystrom, M. S., *Farm Mgt. Specialist.*
*†Ralph Russell, M. S., *Asst. Prof. and Asst. Agr. Econ.*
‡S. B. Shaw, B. S., *Mktg. Specialist.*
‡P. W. Smith, M. S., *Asst. in Econ. and Statistics.*
†W. P. Walker, M. S., *Asst. Agr. Econ.*

Forestry:

*F. W. Besley, M. F., D. Sc., *Prof. Farm For. (State For.).*
‡Richard Kilbourne, B. A., M. F., *Ext. For.*

Home Economics:

Dean Mount *in charge, and Prof. Home and Institutional Mgt.*
*Nellie Buckey, B. S., *Asst. in Home Econ. Ed.*
†Margaret Coffin, M. A., *Research Home Econ.*
*Lucile Hartmann, M. S., *Instr. Foods, Nutr., and Institutional Mgt.*
*Audrey Killiam, B. S., *Asst. in Home Econ.*
*Jane Kirk, B. S., *Asst. in Home Econ. Ed.*
*Mary J. McCurdy, B. S., *Asst. in Home Econ.*
*Mrs. Frieda M. McFarland, M. A., *Prof. Textiles and Clothing.*
*Edna B. McNaughton, M. A., *Prof. Home Econ. Ed.*
*Agnes McNutt, B. S., *Asst. in Home Econ.*
‡Margaret McPheeters, M. S., *Nutr. Specialist.*
*Eleanor L. Murphy, B. S., *Asst. Prof. Home Mgt.*
‡Helen Shelby, M. A., *Clothing Specialist.*
*Mrs. Claribel P. Welsh, M. A., *Assoc. Prof. Foods.*
*Mrs. F. H. Westney, M. S., *Asst. Prof. Textiles and Clothing.*

[1] Courses given in College of Education.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal and dairy husbandry, etc.

Horticulture:

*†J. H. Beaumont, Ph. D., *Prof. Hort.; Hort.*
*†E. C. Auchter, Ph. D., *Lect. in Hort.*
‡W. R. Ballard, B. S., *Veg. and Landsc. Gard. Specialist.*
*J. B. Blandford, *Instr. Hort.*
*V. R. Boswell, Ph. D., *Lect. in Oler. (Coop. U. S. D. A.).*
*†H. B. Cordner, Ph. D., *Instr. and Asst. in Oler.*
†F. E. Gardner, Ph. D., *Assoc. Hort. (Coop. U. S. D. A.).*
‡T. D. Holder, B. S., *Canning Crops Specialist.*
†P. C. Marth, B. S., *Asst. Pomol.*
†W. A. Matthews, M. S., *Asst. in Canning.*
*†A. L. Schrader, Ph. D., *Prof. Pomol.; Pomol.*
‡M. M. Shoemaker, A. B., M. L. D., *Asst. Landsc. Gard. Specialist.*
*A. S. Thurston, M. S., *Prof. Flor. and Landsc. Gard.*
‡A. F. Vierheller, M. S., *Hort. Specialist.*
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†T. H. White, M. S. *Oler. and Flor.*

Journalism:

‡A. H. Snyder, B. S., *Ext. Editor.*
‡O. R. Carrington, B. A., *Asst. Specialist in Agr. Journalism.*

Poultry Husbandry:

*†R. H. Waite, B. S., *Prof. Poultry Husb.; Poultry Husb.*
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‡P. A. Raper, B. S., *Asst. Poultry Mktg. Specialist.*
‡W. H. Rice, B. S., *Poultry Specialist.*

Seed Analysis:

†F. S. Holmes, M. S., *Seed Insp. and Analyst.*
†Mrs. Constance C. Degman, B. S., *Asst. Seed Analyst.*
†Ellen Emack, *Asst. Seed Analyst.*
†Mrs. O. M. Faber, A. B., *Asst. Seed Analyst.*
†Olive Kelk, *Asst. Seed Analyst.*
†Elizabeth Shank, *Asst. Seed Analyst.*
†Mrs. Ruth M. Shank, *Asst. Seed Analyst.*

Miscellaneous:

*Grace Barnes, B. S., B. L. S., *Libr.*
†Albert White, B. S., *Supt. Ridgely Farm, P. O., Ridgely.*

Princess Anne Academy, Eastern Branch of the University of Maryland, *Princess Anne*

*Agricultural faculty

*T. H. Kiah, Ped. D., *Principal. Theory of Agr.*

*F. A. Arnold, B. S., *Asst. Agr.*
*L. A. Marshall, M. S., *Agr.*
*Mrs. Thelma E. Skelton, *Dom. Art.*
*Sadie Washington, M. S., *Dom. Sci.*

MASSACHUSETTS

Massachusetts State College and the Agricultural Experiment Station, *Amherst*

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*H. P. Baker,[1] M. F., D. Econ., *President*
*W. L. Machmer, A. M., *Dean*
*†F. J. Sievers, M. S., *Dir. of Sta. and Dir. of Grad. School*
‡W. A. Munson, B. S., *Dir. of Ext. Service*

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*†A. B. Beaumont, Ph. D., *Head of Dept.*
*M. H. Cubbon, Ph. D., *Asst. Prof. Agron.*
*L. S. Dickinson, B. S., *Asst. Prof. Agron.*
‡R. W. Donaldson, A. B., *Ext. Agron.*
†W. S. Eisenmenger, Ph. D., *Research Prof. Agron.*
*J. L. Haddock, M. S., *Instr. Agron.*
†M. E. Snell, *Tech. Asst. in Agron.*
*C. H. Thayer, *Voc. Instr. Agron.*

Animal Husbandry:

*†V. A. Rice, M. Agr., *Head of Dept. and Head Div. of Agr.*
‡C. J. Fawcett, B. S., *Ext. An. Husb.*
*R. C. Foley, M. S., *Instr. An. Husb.*
*G. V. Glatfelter, M. S., *Asst. Prof. An. Husb.*
*†C. H. Parsons, B. S., *Asst. Prof. An. Husb.; Farm Supt.*

Bacteriology and Physiology:

*†G. E. Gage, Ph. D., *Head of Dept.*
*L. A. Bradley, Ph. D., *Prof. Bact.*
*Aldis E. Flint, *Tech. Asst. in Bact.*
†R. L. France, M. S., *Asst. Bact.*
†J. E. Fuller, Ph. D., *Asst. Research Prof. Bact.*
*Mary E. M. Garvey, B. S., *Instr. Bact.*
*R. C. Packard, B. S., *Voc. Instr. Bact.*

Botany:

*†A. V. Osmun, M. S., *Head of Dept.*
*Carrolle E. Anderson, B. S., *Instr. Bot.*
†A. S. Ball, *Lab. Asst. in Bot.*
‡O. C. Boyd, Ph. D., *Ext. Plant Path.*
*O. L. Clark, B. S., *Assoc. Prof. Bot.*
*W. H. Davis, Ph. D., *Asst. Prof. Bot.*
†W. L. Doran, M. S., *Research Prof. Bot.*
*C. J. Gilgut, B. S., *Instr. Bot.*
†E. F. Guba, Ph. D., *Asst. Research Prof. Bot. (P. O., Waltham).*
†L. H. Jones, Ph. D., *Asst. Research Prof. Bot.*
†Gladys I. Miner, *Curator.*
*R. E. Torrey, Ph. D., *Asst. Prof. Bot.*

Chemistry:

*J. S. Chamberlain, Ph. D., *Head Dept. of Chem.*
†J. B. Lindsey, Ph. D., *Research Prof. and Head Dept. of Plant and An. Chem. Vice Dir. of Sta.*
†H. D. Haskins, B. S., *Chief of Fert. Control Lab.*
†P. H. Smith, M. S., *Chief of Lab. in Feed, Seed, and Dairy Glassware Control.*
†H. L. Allen, *Lab. Asst. in Chem.*
†J. G. Archibald, M. S., *Asst. Research Prof. Chem.*

[1] To assume duties in the spring of 1933.

Chemistry—Continued.

†Emmett Bennett, B. S., *Research Asst. in Chem.*
†H. R. De Rose, M. S., *Asst. Chem. in Feed and Fert. Control.*
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†J. T. Howard, *Insp.*
†C. P. Jones, M. S., *Asst. Research Prof. Chem.*
†G. J. Larsinos, M. S., *Junior Chem. in Fert. Control.*
†F. A. McLaughlin, B. S., *Senior Seed Analyst in Seed Control.*
†F. W. Morse, M. S., *Research Prof. Chem.*
†Margaret Nagle, *Lab. Asst. in Seed Control.*
†L. R. Parkinson, *Tech. Asst. in An. Nutr.*
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*C. A. Peters, Ph. D., *Prof. Inorg. and Soil Chem.*
*B. C. Redmon, B. S., *Lab. Asst. in Chem.*
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Dairy Industry:

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‡W. P. B. Lockwood, M. S., *Specialist in Dairying.*
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†W. S. Mueller, M. S., *Asst. Research Prof. Dairy Indus.*

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†J. Elizabeth Donley, A. B., *Lab. Asst. in Agr. Econ.*
*Mary J. Foley, M. S., *Instr. Agr. Econ.*
†Lorian P. Jefferson, A. M., *Asst. Research Prof. Agr. Econ.*
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‡H. B. Rowe, B. S., *Ext. Econ.*
†David Rozman, Ph. D., *Asst. Research Prof. Agr. Econ.*
†Ruth E. Sherburne, B. S., *Research Asst. in Agr. Econ.*

Economics, History, and Sociology:

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Editorial:

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†F. Ethel Felton, B. A., *Sta. Editor.*
‡J. C. Baker, B. S., *Asst. Ext. Editor.*

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*J. B. Newlon, *Instr. Agr. Engin.*
*G. F. Pushee, *Instr. Agr. Engin.*
*W. H. Tague, B. S., *Asst. Prof. Agr. Engin.*

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*C. P. Alexander, Ph. D., *Prof. Ent.*
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*Miriam Morse, M. S., *Instr. Ent. and Zool.*
*H. L. Sweetman, Ph. D., *Asst. Prof. Ent.*
*H. E. Warfel, M. S., *Asst. Prof. Zool.*
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†H. A. Wilson, *Tech. Asst. Ent. (P. O., Waltham).*

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‡Mrs. Annette T. Herr, A. M., *State Home Dem. Leader.*
‡G. L. Farley, M. S., *State Club Leader.*
‡E. S. Carpenter, M. S., *Secy.*
‡Tena Bishop, B. S., *Asst. State Club Leader.*
‡Marion E. Forbes, *Asst. State Club Leader.*
‡H. A. Leland, B. S., *Asst. State Club Leader.*
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*R. H. Barrett, M. S., *Asst. Prof. Farm Mgt.*
‡F. H. Branch, B. S., *Specialist in Farm Mgt.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., animal husbandry, botany and plant pathology, etc.

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Miscellaneous:

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Miscellaneous—Continued.

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Substations:

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Graham Hort. Expt. Sta., *R. F. D. 7, Grand Rapids*—
Walter Toenjes, M. S., *Supt.*
Lake City Potato Expt. Sta., *P. O., Lake City*—
A. M. Berridge, B. S., *Supt.*
South Haven Hort. Expt. Sta., *P. O., South Haven*—
Stanley Johnston, M. S., *Supt.*

Substations—Continued.

Upper Peninsula Expt. Sta., *P. O., Chatham*—
G. W. Putnam, M. S., *Dir.*
L. H. Blakeslee, B. S., *Research Asst. in An. Husb.*
B. R. Churchill, M. S., *Research Asst. in Farm Crops.*
W. K. Kellogg Demonstration and Experimental Farm, *P. O., Augusta*—
C. M. McCrary, B. S., *Supt.*
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Editorial—*See* **Journalism.**

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Entomology and Economic Zoology—Continued.

*†R. T. King, M. A., *Instr. Ent. and Econ. Zool.; Asst. in Vertebrate Zool.*
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Extension (Admin.):[1]

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‡J. F. Kuehn, *Asst. to Dir.*
‡Julia O. Newton, B. A., *State Home Dem. Leader.*
‡T. A. Erickson, B. A., *State Club Leader.*
‡F. J. Brown, B. S., *Asst. County Agt. Leader.*
‡L. A. Churchill, B. S., *Asst. County Agt. Leader.*
‡A. J. Kittleson, *State Club Agt.*
‡C. L. McNelly, B. S., *Asst. County Agt. Leader.*
‡Mildred Schenck, B. S., *Asst. State Club Agt.*
‡Amy Wessel, B. S., *Asst. State Club Agt.*

Forestry:

*†Henry Schmitz, Ph. D., *Chief.*
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‡P. O. Anderson, B. S., *For. Specialist.*
*†R. M. Brown, B. S., M. F., *Asst. Prof. and Asst. For.*
*†W. W. Chase, M. S., *Instr. and Asst. in For.*
*†E. G. Cheyney, B. A., *Prof. For.; For.*
*M. E. Deters, M. S., *Instr. For.*
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Home Economics:

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*Frances Dunning, M. S., *Asst. Prof. Institutional Mgt.*
*Margaret Ennis, M. S., *Instr. Home Econ. Ed.*
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*Harriet I. Goldstein, *Assoc. Prof. Related Art.*
*Vetta Goldstein, *Instr. Related Art.*
*Ethel R. Gorham, A. M., *Instr. Textiles and Clothing.*
*Ada G. Guttman, *Instr. Home Econ.*

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Home Economics—Continued.

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*Hope H. Hunt, M. S., *Instr. Home Econ.*
*Hedda Kafka, B. S., *Instr. Home Econ. Ed.*
*F. Mildred King, M. S., *Instr. Institutional Mgt.*
*Mildred Larson, B. S., *Instr. Home Econ.*
*†Jane M. Leichsenring, Ph. D., *Assoc. Prof. Nutr.*
‡Mary M. Miller, B. S., *Home Mgt. Specialist.*
*Mrs. Kathryn B. Niles, M. S., *Instr. Home Econ.*
*†Ethel L. Phelps, M. S., *Asst. Prof. Textiles and Clothing.*
‡M. Lois Reid, B. S., *Clothing Specialist.*
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*Ruth F. Segolson, B. S., *Instr. Home Econ. Ed.*
*Mary A. Steers, M. S., *Instr. Home Econ. Ed.*
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Journalism:

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‡J. M. Drew, *Asst. Exhibit Specialist.*
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Substations—Continued.

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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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L. L. Zook, B. S., *Agron.* (*Coop. U. S. D. A.*).
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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†W. A. Westgate, M. S., *Research Chem. Asst. in Ent.*

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
[2] Courses given in College of Liberal Arts.

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[1] On leave.
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[3] Courses given in School of Education.

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Bryan Harris, *Foreman.*
Coastal Plain Branch Sta., *P. O., Willard*—
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W. M. Whisenhunt, *Foreman.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.
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[3] Under the State department of agriculture and the agricultural experiment station.

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*H. W. Orr, D. V. M., M. S., *Prof. Bact. and Vet. Med.*
*Frances E. Willison, M. A., *Asst. Prof. Bact.*

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*O. C. Schultz, B. S., *Assoc. Prof. Bot. and Plant Path.*
*E. L. Shannon, M. S., *Asst. Prof. Bot. and Plant Path.*
*Robert Stratton, M. A., *Assoc. Prof. Bot. and Plant Path.*

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*Ruth M. Gerber, M. S., *Asst. Prof. Chem.*
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*T. L. Schiefelbusch, B. S., *Asst. Prof. Chem.*
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[1] For subject-matter workers see the respective division; i. e., animal husbandry bacteriology, etc.
[2] On leave.

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Agronomy—Continued.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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*Edith Hunt, B. S., *Instr. Home Econ.* (*P. O., Martin*).
*Mary E. Innes, B. S., *Instr. Home Econ.* (*Textiles and Clothing*).
‡Lillian L. Keller, *Household Mgt. Specialist.*
*†Florence L. MacLeod, Ph. D., *Assoc. Prof. Home Econ.* (*Nutr.*)
*Frances J. Mathias, B. S., *Asst. Prof. Home Econ.* (*Institutional Mgt.*).
*Neta B. McFee, M. S., *Asst. Prof. Child Care.* (*P. O., Martin*).
*Letty B. Mitchell, M. A., *Asst. Prof. Home Econ.* (*Ed.*).

Home Economics—Continued.

*Amy P. Morse, M. A., *Assoc. Prof. Home Econ.* (*Related Art*).
*Mrs. Elisabeth L. Speer, M. A., *Asst. Prof. Home Econ.* (*Home Mgt.*).
‡Mrs. Lena A. Warner, R. N., *Health and Sanitation Specialist.*

Horticulture:

*N. D. Peacock, M. S., *Prof. Hort.*
†B. D. Drain, M. S., *Hort.*
*C. C. Cravens, M. S., *Assoc. Prof. Hort.* (*P. O., Martin*).
†E. M. Henry, B. S., *Asst. Hort.*
*Otha Ogle, *Foreman of Fruit Farm.*
‡W. C. Pelton, M. S., *Hort. Specialist.*
‡G. B. Shivery, B. S., M. F., *Farm For. Specialist.*
†C. R. Spangler, *Asst. in Hort.*
*A. B. Strand, M. S., *Instr. Hort.*

Veterinary Science:

*†Prof. M. Jacob *in charge.*

Zoology:

*E. B. Powers, Ph. D., *Prof. Zool.*
*G. A. Canning, Ph. D., *Asst. Prof. Zool.*
*Thressa A. Hickman, A. M., *Instr. Zool.*
*B. C. V. Ressler, M. S., *Asst. Prof. Zool.*
*Lula M. Shipe, M. S., *Instr. Zool.*

Miscellaneous:

*†F. H. Broome, *Secy.*
*W. A. Campbell, *Farm Supt.*
*†Sarah C. Currell, M. A., *Libr.*
‡Florence D. McTeer, *Ext. Secy.*

Substations:

Mericourt Expt. Sta., *P. O., Clarksville*—
Lester Weakley, *Asst.*
Middle Tenn. Expt. Sta., *P. O. Columbia*—
L. R. Neel, B. S., *Supt.*
J. T. Davis, B. S., *Asst. in An Husb.*
Tobacco Expt. Sta., *P. O., Greeneville*—
F. S. Chance, B. S., *Supt.*
West Tenn. Expt. Sta., *P. O., Jackson*—
B. P. Hazlewood, M. S., *Supt.*

Tennessee Agricultural and Industrial State College, *Nashville*

*Agricultural faculty

*W. J. Hale, A. M., *President*

*G. R. Bridgeforth, B. S., *Truck Gardening and Applied Agr.*
*Mrs. Jane E. Elliott, *Applied Dom. Sci.*
*T. M. Elliott, *Dairying.*
*T. H. Fitzpatrick, *Veg. Gard.*
*Mrs. Hattie E. Hale, A. M., *Asst. in Teacher Training.*
*W. J. Hale, jr., M. A., *Rural Ed.*
*G. A. Hubert, M. A., *Agr. Econ.*
*W. W. Lawson, B. S., *Teacher Training in Agr.*
*M. Estelle Richards, M. A., *Dom. Sci.*
*Mrs. Corinne Springer, B. S., *Dom. Sci.*
*Frances E. Thompson, B. S., *Manual Art.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

TEXAS

Agricultural and Mechanical College of Texas and the Agricultural Experiment Station, *College Station*

*College faculty. †Station staff. ‡Extension staff

*T. O. Walton, LL. D., *President*
†A. B. Conner, M. S., *Dir. of Sta.*
‡O. B. Martin, A. B., *Dir. of Ext. Service*
*F. C. Bolton, M. S., *Dean of Coll.*
*E. J. Kyle, M. S., *Dean School of Agr.*

Agronomy:

†E. B. Reynolds, Ph. D., *Chief of Div.*
†R. E. Karper, M. S., *Agron.* (*Grain Sorghum Research*). *Vice Dir. of Sta.*
*J. O. Morgan, Ph. D., *Vice Dean School of Agr., Head Prof. Agron.*
‡R. H. Bush, B. S., *Special Agt. in Pasture Work.*
*L. G. Jones, Ph. D., *Prof. Agron.*
†D. T. Killough, M. S., *Agron.* (*Cotton Brdg.*).
†B. C. Langley, M. S., *Agron.* (*P. O., Spur*).
†P. C. Mangelsdorf, Sc. D., *Agron.* (*Corn and Small Grain*).
†G. T. McNess, *Supt. Agron. Farm.*
‡E. A. Miller, B. S., *Ext. Agron.*
*J. S. Mogford, M. S., *Assoc. Prof. Agron.*
†H. E. Rea, B. S., *Agron.* (*Cotton Root Rot Invest.: P. O., Temple*).
*R. T. Stewart, Ph. D., *Assoc. Prof. Agron.*

Animal Husbandry:

†J. M. Jones, A. M., *Chief Div. of Range An. Husb.* (*Sheep and Goat Invest.*).
*D. W. Williams, M. S., *Head Prof. An. Husb.*
*D. H. Reid, M. S., *Head Prof. Poultry Husb.*
*C. N. Shepardson, M. S., *Head Prof. Dairy Husb.*
†Fred Hale, M. S., *Chief Div. of Swine Husb.*
†R. M. Sherwood, M. S., *Chief Div. of Poultry Husb.*
*D. S. Buchanan, M. S., *Prof. An. Husb.*
†O. C. Copeland, M. S., *Dairy Husb.*
†J. R. Couch, B. S., *Asst. Poultry Husb.*
‡P. A. Cunyus, M. S., *Asst. Ext. Poultry Husb.*
*A. L. Darnell, M. A., *Prof. Dairy Husb.*
†S. P. Davis, *Wool Grader.*
‡E. R. Eudaly, B. S., *Ext. Dairy Husb.*
‡E. N. Holmgreen, B. S., *Ext. Poultry Husb.*
‡J. H. Jones, B. S., *Agt. in An. Husb.* (*Coop. U. S. D. A.*).
*J. H Knox, M. S., *Assoc. Prof. An. Husb.*
*A. K. Mackey, M. S., *Prof. An. Husb.* (*in charge Sheep and Angora Goats*).
*R. M. Milhollin, B. S., *Asst. Prof. An. Husb.*
*W. F. Munnerlyn, M. S., *Asst. Prof. Poultry Husb.*
‡E. M. Regenbrecht, M. S., *Ext. Swine Husb.*
*E. W. Renner, M. S., *Assoc. Prof. Dairy Husb.*
‡A. L. Smith, B. S., *Ext. An. Husb.*
‡R. W. Snyder, M. S., *Meat Specialist.*
‡J. L. Thomas, B. S., *Ext. Dairyman.*
†B. L. Warwick, Ph. D., *Range An. Husb.* (*Brdg. Invest.*).

Biology:

*O. M. Ball, Ph. D., *Head Prof. Biol.*
*R. O. Berry, B. S., *Actg. Instr. Biol.*
*C. C. Doak, M. S., *Asst. Prof. Biol.*
*P. F. English,[1] M. S., *Assoc. Prof. Biol.*
*E. H. Gibbons, S. M., *Asst. Prof. Biol.*
*Charles LaMotte, M. A., *Actg. Asst. Prof. Biol.*
*R. G. Reeves, Ph. D., *Prof. Biol.*

Botany:

†V. L. Cory, M. S., *Actg. Chief of Div.* (*P. O., Sonora*).
†S. E. Wolff, M. S., *Bot.* (*Cotton Root Rot Invest.: P. O., Temple*).

Chemistry:

†G. S. Fraps, Ph. D., *Chief Div. of Chem.* (*State Chem.*).
*C. C. Hedges, Ph. D., *Head Prof. Chem. and Chem. Engin.*
†S. E. Asbury, M. S., *Asst. State Chem.*
*F. F. Bishop, M. S., *Instr. Chem.*
*H. R. Brayton, M. S., *Prof. Inorg. Chem.*
†E. C. Carlyle, M. S., *Asst. Chem.*
†Mrs. Jeanne F. DeMottier, *Asst. Chem.*
*R. A. Eads, M. S., *Instr. Chem.*
†J. F. Fudge, Ph. D., *Chem.* (*Cotton Root Rot Invest.*).
†Velma Graham, *Asst. Chem.*
*M. T. Harrington, M. S., *Instr. Chem.*
*B. C. Jones, M. S., *Asst. Prof. Chem.*
*L. A. Koenig, B. A., *Asst. Prof. Chem.*
*E. B. Middleton, M. S., *Instr. Chem.*
†T. L. Ogier, B. S., *Asst. Chem.*
*W. M. Potts, M. S., *Instr. Chem.*
†C. M. Pounders, B. S., *Asst. Chem.*
†R. L. Schwartz, B. S., *Asst. Chem.*
*R. E. Snuggs, M. S., *Instr. Chem.*
†A. J. Sterges, M. S., *Asst. Chem.*
†Ray Treichler, M. S., *Asst. Chem.*
†W. H. Walker, *Asst. Chem.*

Economics (Agr.):

†L. P. Gabbard, M. S., *Chief Div. Farm and Ranch Econ.*
*V. P. Lee, Ph. D., *Head Prof. Mktg. and Finance.*
*T. W. Leland, M. A., C. P. A., *Head Prof. Accounting and Statistics.*
*S. A. McMillan, M. S., *Head Prof. Farm and Ranch Mgt.*
*Daniel Russell, M. A., *Head Prof. Rural Sociol.*
†C. A. Bonnen, M. S., *Farm Mgt. Research Specialist.*
*J. O. Gragg, M. A., *Instr. Accounting and Statistics.*
*T. R. Hamilton, M. S., *Assoc. Prof. Accounting and Statistics.*
*R. L. Hunt, M. S., *Asst. Prof. Mktg. and Finance.*
†A. C. Magee, M. S., *Asst. in Farm Mgt.* (*P. O., Lubbock*).
†‡W. R. Nisbet, B. S., *Asst. in Range Mgt.* (*Coop. U. S. D. A.: P. O., Sonora*).

[1] On leave.

Economics (Agr.)—Continued.

*L. S. Paine, M. A., *Assoc. Prof. Agr. Econ.*
†W. E. Paulson, Ph. D., *Mktg. Research Specialist.*
*O. A. Weinke, M. S., *Assoc. Prof. Accounting and Statistics.*

Editorial—*See* **Publications.**

Education (Agr.): [1]

*C. H. Winkler, Ph. D., *Dean School of Voc. Teaching, Head Prof. Agr. Ed.*
*W. L. Hughes, M. S., *Head Prof. Rural Ed.*
*E. R. Alexander, M. S., *Prof. Agr. Ed.*
*J. C. Dykes, B. S., *Prof. Agr. Ed.*
*W. R. Sherrill, B. S., *Instr. Agr. Ed.*
*G. B. Wilcox, M. A., *Prof. Rural Ed.*

Engineering (Agr.):

†H. P. Smith, M. S., *Chief Div. of Agr. Engin.*
*Daniels Scoates, A. E., *Head Prof. Agr. Engin.*
*U. S. Allison, B. S., *Asst. Prof. Agr. Engin.*
‡M. R. Bentley, B. S., *Ext. Agr. Engin.*
*F. R. Jones, M. S., *Assoc. Prof. Agr. Engin.*
*M. F. Thurmond, M. S., *Assoc. Prof. Agr. Engin.*

Entomology:

†F. L. Thomas, Ph. D., *Chief Div. of Ent.* (*State Ent.*).
*S. W. Bilsing, Ph. D., *Head Prof. Ent.*
†H. B. Parks, B. S., *Chief Div. of Apiculture* (*P. O., San Antonio*).
†A. H. Alex, B. S., *Queen Breeder,* (*P. O., San Antonio*).
†F. F. Bibby, B. S., *Ent.*
†S. W. Clark, B. S., *Ent.* (*P. O., Westaco*).
†E. W. Dunnam, Ph. D., *Ent.* (*Coop. U. S. D. A.*).
†F. A. Fenton, Ph. D., *Senior Ent.* (*Coop. U. S. D. A.: P. O., El Paso*).
†R. K. Fletcher, Ph. D., *Ent.*
†J. C. Gaines, jr., M. S., *Ent.*
†C. E. Heard, B. S., *Chief Foulbrood Insp.*
*H. G. Johnston, M. S., *Asst. Prof. Ent.*
†S. E. Jones, M. S., *Ent.*
*V. A. Little, M. S., *Assoc. Prof. Ent.*
†S. E. McGregor, B. S., *Asst. Foulbrood Insp.*
†R. W. Moreland, B. S., *Asst. Ent.* (*Coop. U. S. D. A.*).
†W. L. Owen, jr., M. S., *Ent.* (*P. O., Presidio*).
†H. J. Reinhard, B. S., *Ent.*
‡R. R. Reppert, B. S., *Ext. Ent.*
†J. N. Roney, M. S., *Ent.* (*P. O. Dickinson*).
†Cameron Siddall, B. S., *Asst. Foulbrood Insp.*
‡L. C. Whitehead, B. S., *Rodent Control Leader* (*Coop. U. S. D. A.: P. O., San Antonio*).

Extension (Admin.): [2]

Director Martin *in charge.*
‡H. H. Williamson, B. S., *Vice Dir. and State Agt.*
‡M. T. Payne, *State Boys' Club Agt.*
‡Mildred F. Horton, *State Home Dem. Agt.*
‡Bess Edwards, B. S., *Asst. State Home Dem. Agt.*

Feed Control Service:

†F. D. Fuller, M. S., *Chief.*
†James Sullivan, *Asst. Chief.*
†K. L. Kirkland, B. S., *Insp.*
†P. A. Moore, *Insp.*
†S. D. Pearce, *Secy.*
†S. D. Reynolds, jr., *Insp.*
†J. H. Rogers, *Insp.*
†H. G. Wickes, B. S., *Insp.*
†E. J. Wilson, B. S., *Insp.*

Forestry: [3]

*E. O. Siecke, B. A., B. S. F., *Dir. and State For.*
*R. F. Balthis, M. S., M. F., *Asst. State For.*
*I. C. Burroughs, M. S. F., *Asst. Chief Div. For. Protection* (*P. O. Lufkin*).
*I. H. Jones, B. S. F., *Asst. For., Div. For. Protection* (*P. O., Lufkin*).
*‡C. W. Simmons, M. F., *Farm For.*
*C. B. Webster, B. S. F., *Chief Div. For. Mgt.*
*W. E. White, B. S., *Chief Div. Forest Protection* (*P. O., Lufkin*).

Genetics:

*E. P. Humbert, Ph. D., *Head Prof. Genetics.*
*C. B. Godbey, M. S., *Assoc. Prof. Genetics.*
*W. R. Horlacher, Ph. D., *Prof. Genetics.*

Geology:

*J. T. Lonsdale, Ph. D., *Head Prof. Geol.*
*M. N. Broughton, M. A., *Asst. in Geol.*
*F. A. Burt, M. S., *Assoc. Prof. Geol.*
*H. B. Stenzel, Ph. D., *Asst. Prof. Geol.*
*C. R. Wallace, A. M., *Instr. Geol.*

Home Economics:

†Jessie Whitacre, Ph. D., *Chief Div. of Rural Home Research.*
‡Mrs. Dora R. Barnes, M. S., *Ext. Specialist in Clothing.*
‡Mrs. Maggie W. Barry, M. A., *Ext. Sociol.* (*Rural Women's Organ.*).
‡Lola Blair, B. S., *Ext. Nutr.*
‡Mrs. Bernice Claytor, B. S., *Ext. Specialist in Home Improvement.*
†Mary A. Grimes, M. S., *Textiles and Clothing Specialist.*
‡Mamie L. Hayden, B. S., *Ext. Specialist in Home Indus.*
‡Zetha McInnis, B. S., *Ext. Specialist in Home Indus.*
†Elizabeth D. Terrill, M. A., *Nutr. Specialist.*

Horticulture:

†S. H. Yarnell, Sc. D., *Chief of Div.*
*E. J. Kyle, M. S., *Head Prof. Hort.*
*F. W. Hensel, jr., M. S., *Head Prof. Landsc. Art.*
*G. W. Adriance, Ph. D., *Prof. Hort.*
*K. H. Beach, M. S., *Asst. Prof. Hort.*
*F. R. Brison, M. S., *Assoc. Prof. Hort.*
†L. E. Brooks, B. S., *Hort.* (*P. O., Iowa Park*).
‡Inez Derryberry, *Ext. Landsc. Gard.*
†L. R. Hawthorn, M. S., *Hort.* (*Coop. U. S. D. A.: P. O., Winter Haven*).
*N. M. McGinnis, B. S., *Prof. Landscape Art.*
†H. M. Reed, M. S., *Hort.* (*P. O., Angleton*).
‡J. F. Rosborough, B. S., *Ext. Hort.*
†J. F. Wood, B. S., *Hort.* (*P. O., Weslaco*).

[1] Courses given in School of Vocational Teaching.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
[3] Texas Forest Service.

Plant Pathology and Physiology:

†J. J. Taubenhaus, Ph. D., *Chief of Div.*
†W. J. Bach, M. S., *Plant Path.* (*P. O., Weslaco*).
†W. N. Ezekiel, Ph. D., *Plant Path.*
†C. H. Rogers, Ph. D., *Plant Path.* (*P. O., Temple*).

Publications:

†A. D. Jackson, *Chief of Div.*
‡Mrs. Minnie F. Cunningham, Ph. G., *Assoc. Ext. Editor.*
‡W. H. Darrow, B. S., *Ext. Editor.*

Soil Survey:

†W. T. Carter, B. S., *Chief of Div.* (*Coop. U. S. D. A.*).
†A. H. Bean, B. S., *Soil Surveyor.*
†M. W. Beck, B. S., *Soil Surveyor* (*Coop. U. S. D. A.*).
†R. M. Marshall, B. S., *Soil Surveyor.*
†H. M. Smith, B. S., *Soil Surveyor* (*Coop. U. S. D. A.*).
†E. H. Templin, B. S., *Soil Surveyor.*

Veterinary Medicine:

*†Mark Francis, D. V. M., LL. D., *Dean School of Vet. Med., Head Prof. Vet. Anat.; Chief Div. of Vet. Sci.*
*R. P. Marsteller, D. V. M., *Head Prof. Vet. Med. and Surg.*
†H. Schmidt, D. V. M., *Actg. for Chief Div. of Vet. Sci.*
†I. B. Boughton, D. V. M., *Vet.* (*P. O., Sonora*).
*P. W. Burns, D. V. M., *Assoc. Prof. Vet. Physiol. and Pharmacol.*
*R. C. Dunn, D. V. M., *Prof. Vet. Med. and Surg.*
†R. A. Goodman, D. V. M., *Asst. Vet*
†W. T. Hardy, D. V. M., *Vet.* (*P. O., Sonora*).
*A. A. Lenert, D. V. M., *Assoc. Prof. Vet. Med.*
†F. P. Mathews, D. V. M., M. S., *Vet. in charge Loco Invest. Lab.* (*Coop. U. S. D. A.: P. O., Alpine*).
*A. E. Wharton, D. V. M., *Assoc. Prof. Vet. Path.*

Miscellaneous:

†Howard Berry, B. S., *Tech. Asst.*
†J. K. Francklow. *Asst. Chief Clerk.*
†Chester Higgs, *Executive Asst.*
†M. P. Holleman, jr., *Chief Clerk.*
*T. F. Mayo, M. A., *Libr.*
†Clarice Mixson, B. A., *Secy.*

Substations:

Angelton (No. 3)—
R. H. Stansel, M. S., *Supt.*
H. M. Reed, M. S., *Hort.*
Balmorhea (No. 9)—
J. J. Bayles, B. S., *Supt.*
Beaumont (No. 4)—
R. H. Wyche, B. S., *Supt.*
H. M. Beachell, M. S., *Junior Agron.* (*Coop. U. S. D. A.*).

Substations—Continued.

Beeville (No. 1)—
R. A. Hall, B. S., *Supt.*
Chillicothe (No. 12)—
J. R. Quimby, B. S., *Supt.* (*Coop. U. S. D. A.*).
J. C. Stephens, M. A., *Asst. Agron.* (*Coop. U. S. D. A.*).
College Station (No. 10)—
R. M. Sherwood, M. S., *An. Husb. in charge.*
L. J. McCall, *Farm Supt.*
Denton (No. 6)—
P. B. Dunkle, B. S., *Supt.*
I. M. Atkins, B. S., *Junior Agron.* (*Coop. U. S. D. A.*).
Iowa Park (No. 16)—
C. H. McDowell, B. S., *Supt.*
L. E. Brooks, B. S., *Hort.*
Lubbock (No. 8)—
D. L. Jones, *Supt.*
Frank Gaines, *Irrig. and For. Nurseryman.*
Nacogdoches (No. 11)—
H. F. Morris, M. S., *Supt.*
Sonora (No. 14)—
W. H. Dameron, B. S., *Supt.*
I. B. Boughton, D. V. M., *Vet.* (*Sheep and Goat Disease Invest.*).
O. G. Babcock, B. S., *Asst. Ent.* (*Coop. U. S. D. A.*).
O. L. Carpenter, *Shepherd.*
V. L. Cory, M. S., *Grazing Research Bot.*
W. T. Hardy, D. V. M., *Vet.*
Spur (No. 7)—
R. E. Dickson, B. S., *Supt.*
B. C. Langley, M. S., *Agron.*
Temple (No. 5)—
Henry Dunlavy, M. S., *Supt.*
H. V. Geib, M. S., *Soil Erosion Invest.* (*Coop. U. S. D. A.*).
H. O. Hill, B. S., *Soil Erosion Invest.* (*Coop. U. S. D. A.*).
H. E. Rea, B. S., *Agron.* (*Cotton Root Rot Invest.*).
C. H. Rogers, Ph. D., *Plant Path. Cotton Root Rot Invest.*).
S. E. Wolff, M. S., *Bot.* (*Cotton Root Rot Invest.*).
Tyler (No. 2), *P. O., Lindale*—
P. R. Johnson, M. S., *Supt.*
R. W. Baird, B. S., *Soil Erosion Invest.* (*Coop. U. S. D. A.*).
B. H. Hendrickson, B. S., *Soil Erosion Invest.* (*Coop. U. S. D. A.*).
Weslaco (No. 15)—
W. H. Friend, B. S., *Supt.*
W. J. Bach, M. S., *Plant Path.* (*Cotton Root Rot Invest.*).
S. W. Clark, B. S., *Ent.*
J. F. Wood, B. S., *Hort.*
Winter Haven (No. 19)—
E. Mortensen, B. S., *Supt.*
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Prairie View State Normal and Industrial College, *Prairie View*

*Agricultural faculty. ‡Extension work

*W. R. Banks, A. M., *Principal*
*L. A. Potts, M. S., *Dir. of Agr.*

*J. M. Alexander, M. S., *Prof. An. Husb.*
*Essie J. Anderson, A. M., *Assoc. Prof. Dom. Sci.*
*O. A. Baker, B. S., *Libr.*
*C. H. Banks, B. S., *Asst. Prof. Voc. Ed.*
*Huldah Bryant, B. S., *Dom. Sci.*
*Diana S. Dent, M. S., *Assoc. Prof. Voc. Ed.*
*E. B. Evans, D. V. M., *Prof. Vet. Sci. and Assoc. Dir. of Agr.*

*Henrietta T. Farrell, B. S., *Laundry Supt.*
*Alda J. Fortune, B. S., *Asst. Libr.*
*Mrs. L. F. James, B. S., *Dom. Sci.*
*Elizabeth C. May, B. S., *Dir. School of Home Econ.*
*Mrs. Geneva C. Peters, M. A., *Instr. Clothing and Handicraft.*
*Mayme Powell, M. S., *Clothing.*
‡Mrs. I. W. Rowan, B. S., *State Leader in Home Econ. Ext.*

*S. H. Settler, B. S., *Prof. Rural Agr.*
*G. L. Smith, B. S., *Assoc. Prof. An. Husb.*
‡C. H. Waller, B. S., *State Leader in Ext. Work.*
*Harrison Watson, *Farm Supt.*

UTAH

Utah State Agricultural College and the Agricultural Experiment Station, *Logan*

*College faculty. †Station staff. ‡Extension staff

*E. G. Peterson, Ph. D., *President*
†P. V. Cardon, B. S., *Dir. of Expt. Sta.*
‡William Peterson, B. S., *Dir. of Ext. Div.*
*†‡E. J. Maynard, M. S., *Actg. Dean School of Agr.*

Agronomy and Soils:
*†R. J. Evans, Ph. D., *Prof. Agron.; Agron.*
*A. F. Bracken, M. A., *Asst. Prof. Agron. (P. O., Nephi).*
†D. S. Jennings, Ph. D., *in charge Soils Invest.*
‡J. C. Hogenson, M. S., *Ext. Agron.*
*†D. W. Pittman, M. S., *Prof. Soils; Assoc. Agron.*
*†D. C. Tingey, M. A., *Asst. Prof. and Asst. Agron.*
†George Whornham, B. S., *Asst. Field Agron.*

Animal and Poultry Husbandry:
*†‡E. J. Maynard, M. S., *Prof. An. Husb.; An. Husb.*
*†‡Byron Alder, B. S., *Prof. Poultry Husb.; Poultryman.*
*†‡A. C. Esplin, B. S., *Asst. Prof. Wool Mgt.; Assoc. An. Husb.*
‡Carl Frischknecht, M. S., *Asst. Ext. Poultryman.*
*†H. H. Smith, M. S., *Assoc. Prof. and Asst. An. Husb.*

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†R. E. Hodgson, M. S., *Asst. in Dairy Husb. (Coop. U. S. D. A.: P. O., Puyallup).*
*†J. C. Knott, M. S., *Asst. Prof. Dairy Prod.; Supt. Official Testing.*
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Economics—*See* **Farm Management.**

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‡W. D. Staats, A. B., B. Litt., *Ext. Editor.*

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Engineering (Agr.):
*†L. J. Smith, B. S., M. E., *Head of Dept. and Div. of Agr. Engin.*

[1] On leave.

Engineering (Agr.)—Continued.

†H. L. Garver, B. S., E. E., *Farm Electricity Invest.*
*C. C. Johnson, B. A., *Asst. Prof. Agr. Engin.*

Entomology—*See* **Zoology.**

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‡H. M. Walker, *State Agent in Club Work.*

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*†E. F. Dummeier, Ph. D., *Prof. Agr. Econ.; Agr. Econ.*
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‡R. M. Turner, B. S., *Ext. Econ., Farm Mgt.*

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*Catherine T. Bryden, M. A., *Asst. Prof. Home Econ. Ed.*
*Ethel Clarke, M. A., *Assoc. Prof. Institutional Econ.*
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†M. B. Hardy, M. S., *Research Asst. in Hort.*
*J. R. Herman, M. S., *Instr. Landsc. Gard. and Flor.*
*†O. M. Morris, M. S., *Prof. Hort.; Hort.*
†F. L. Overley, M. S., *Assoc. Hort.* (*P. O., Wenatchee*).
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Plant Pathology:

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*N. G. Covington, V. M. D., *Asst. Prof. Physiol. and Pharmacol.*
†C. M. Hamilton, D. V. M., *Asst. Vet.* (*P. O., Puyallup*).
†J. W. Kalkus, D. V. S., *Vet.* (*P. O. Puyallup*).
*J. E. McCoy, D. V. M., *Asst. Prof. Vet. Med.*
*G. W. McNutt, D. V. M., *Asst. Prof. Vet. Anat.*
†C. E. Sawyer, D. V. M., *Research Vet.* (*P. O., Puyallup*).
*H. A. Smith, M. D. V., *Instr. Vet. Bact., Path. and Histol.*

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†A. J. Hanson, M. S., *Asst. Ent.* (*P. O., Puyallup*).
*R. F. MacLennan, Ph. D., *Instr. Zool.*
†James Marshall, M. S., *Asst. Ent.* (*P. O., Wenatchee*).
*Arthur Svihla, Ph. D., *Asst. Prof. Zool. and Curator of Museum.*

Substations:

Adams Branch Sta., *P. O., Lind*—
H. M. Wanser, M. S., *Supt.*
H. D. Jacquot, B. S., *Asst. Agron.*
Cranberry Lab., *P. O. Longbeach*—
D. J. Crowley, B. S., *Specialist in Cranberry Invest.*
Irrig. Branch Sta., *P. O., Prosser*—
H. P. Singleton, M. S., *Assoc. in Agron. and Supt.*
L. L. Claypool, B. S., *Asst. Hort.*
C. A. Larson, Ph. D., *Specialist in Irrig. Invest.* (*Coop. U. S. D. A.*).

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

Western Washington Station, *P. O., Puyallup:*

J. W. Kalkus, D. V. S., *Supt.*
G. E. Bearse, B. S., *Asst. Poultryman.*
M. S. Grunder, M. S., *Agron.*
C. M. Hamilton, D. V. M., *Asst. Vet.*
A. J. Hanson, M. S., *Ent.*
R. E. Hodgson, M. S., *Dairy Husb.* (*Coop. U. S. D. A.*).

Western Washington Station—Continued.

H. D. Locklin, M. S., *Hort.*
M. W. Miller, M. S., *Poultryman.*
C. E. Sawyer, D. V. M., *Poultry Research Vet.*
Verne E. Smith, *Lab. Asst.*

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*College faculty. †Station staff. ‡Extension staff

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*†F. D. Fromme, Ph. D., *Dean Coll. of Agr., Dir. of Sta.*
‡N. T. Frame, D. Sc., *Dir. of Agr. Ext. Div.*

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‡E. P. Deatrick, Ph. D., *Ext. Agron.*
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‡B. F. Creech, B. S., *An. Husb. Specialist.*
*†J. H. Longwell, A. M., *Asst. Prof. and Asst. An. Husb.*
†E. N. Moore, B. S., D. V. M., *Asst. Vet.*
*†J. H. Rietz, D. V. M., M. S., *Assoc. Prof. Vet. Med.; Assoc. Vet.*
†R. H. Tuckwiller, B. S., *Asst. An. Husb.* (*Coop. U. S. D. A.: P. O., Lewisburg*).
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†‡R. O. Stelzer, M. S., *Asst. in Farm Econ. and Farm Mgt. Specialist.*
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Editorial—*See* **Journalism.**

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*R. W. Cline, M. S., *Instr. Agr. Ed.* (*P. O., Masontown*).
*R. A. Olney, Ph. D., *Assoc. Prof. Agr. Ed.*
*D. W. Parsons, Ph. D., *Assoc. Prof. Agr. Ed.*

Entomology:

*†L. M. Peairs, Ph. D., *Head of Dept.*
†Edwin Gould, B. S., *Asst. in Ent.* (P. O., *Kearneysville*).
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‡I. B. Boggs, *State Boys' Club Agt.*

Forestry:

‡T. W. Skuce, B. S., *For. Specialist.*

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*†W. H. Childs, M. S., *Instr. and Asst. in Hort.*
‡Dee Crane, *Potato Specialist.*
*†A. P. Dye, M. S., *Instr. and Asst. in Hort.*

[1] For subject-matter workers see the respective division; i. e., agronomy and genetics, animal husbandry, etc.

Horticulture—Continued.

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*†E. N. McCubbin, A. M., *Instr. and Asst. in Hort.*
†‡Leif Verner, M. S., *Asst. Hort. and Hort. Specialist (P. O., Kearneysville).*
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‡W. C. Schnopp, B. S., *Ext. Editor and Publicity Specialist.*

Plant Pathology:

*†C. R. Orton, Ph. D., *Head of Dept.*
†Anthony Berg, M. S., *Assoc. Plant Path.*
*†L. H. Leonian, Ph. D., *Assoc. Prof. and Assoc. Plant Path.*
†F. J. Schneiderhan, M. S., *Assoc. Plant Path. (P. O., Kearneysville).*
‡E. C. Sherwood, M. S., *Ext. Plant Path.*

Poultry Husbandry:

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Poultry Husbandry—Continued.

‡R. L. Mason, B. S., *Poultry Specialist (P. O., Parkersburg).*
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Miscellaneous:

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R. A. Ackerman, M. S., *in charge.*
University Expt. Farm, *P. O., Kearneysville*—
F. J. Schneiderhan, M. S., *Assoc. Plant Path. in charge.*
Edwin Gould, B. S., *Asst. in Ent.*
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*Agricultural faculty

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*A. P. Hamblin, B. S., *Prof. Biol.*
*R. W. James, *Instr. An. and Poultry Husb.*
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*Mrs. Julia L. Marsh, B. S., *Instr. Home Econ.*
*Dorothy I. Miller, M. A., *Dir. Dept. of Home Econ.*
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WISCONSIN

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*†‡I. L. Baldwin, Ph. D., *Asst. Dean Coll. of Agr.*
†Noble Clark, M. S., *Asst. Dir. of Sta.*
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*†‡E. J. Delwiche, M. S., *Prof. Agron. (P. O., Green Bay).*
*†‡L. F. Graber, Ph. D., *Prof. Agron.*
*†‡E. D. Holden, M. S., *Asst. Prof. Agron.*
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*‡R. T. Harris, *Instr. An. Husb. and Supvr. in charge Dairy Tests.*
‡J. J. Lacey, B. S., *Ext. Asst. Prof. An. Husb.*
‡A. M. Mucks, B. S., *Ext. Assoc. Prof. An. Husb.*

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*†‡E. B. Fred, Ph. D., *Prof. Agr. Bact.*
*†W. D. Frost, Ph. D., D. P. H., *Prof. Agr. Bact.*
*†Elizabeth F. McCoy, Ph. D., *Asst. Prof. Agr. Bact.*
*†H. E. Sagen, Ph. D., *Asst. in Agr. Bact.*
*‡W. B. Sarles, Ph. D., *Asst. Prof. Agr. Bact.*
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†C. A. Baumann, B. S., *Research Asst. in Agr. Chem.*
†B. A. Burkhart, M. S., *Asst. in Agr. Chem.*
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†J. A. Keenan, M. S., *Asst. Agr. Chem.*
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*†K. P. Link, Ph. D., *Prof. Agr. Chem.*
*†J. T. Lowe, M. S., *Asst. Agr. Chem.*
*†W. H. Peterson, Ph. D., *Prof. Agr. Chem.*
†Blanche M. Riising, M. S., *Instr. Agr. Chem.*
*†J. T. Skinner, Ph. D., *Asst. Agr. Chem.*
*†Harry Steenbock, Ph. D., *Prof. Agr. Chem.*
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Dairy Husbandry:

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*E. H. Farrington, M. S., *Prof. Emeritus Dairy Husb.*
‡C. A. Buck, B. S., *Ext. Instr. Dairy Husb. (P. O., Monroe).*
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Economics (Agr.)—Continued.

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†B. C. Denny, M. S., *Asst. in Agr. Econ.*
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‡R. K. Froker, M. A., *Ext. Assoc. Prof. Agr. Econ.*
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Editorial—*See* **Journalism.**

Education (Agr.):

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‡I. G. Fay, B. S., *Ext. Asst. Prof. Agr. Ed.*
*‡V. E. Kivlin, M. S., *Asst. Prof. Agr. Ed. Dir. Short Course.*

Engineering (Agr.):

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*†M. G. Huber, B. S., *Asst. in Agr. Engin.*
‡F. B. Trenk, M. S., *Ext. Instr. Agr. Engin. (Ext. For.).*
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†T. C. Allen, M. S., *Asst. Econ. Ent.*
†E. C. Blodgett, M. S., *Asst. in Econ. Ent.*
†J. A. Callenbach, jr., M. S., *Asst. in Econ. Ent.*
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Extension (Admin.):[1]

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, home economics, etc.

Extension (Admin.)—Continued.

‡Mrs. Nellie K. Jones, M. S., LL. D., *State Leader Home Dem. Agts.*
‡T. L. Bewick, M. S., Ph. M., *State Club Leader.*
‡Geneva L. Amundson, B. S., *Asst. State Club Leader.*
‡R. A. Amundson, B. S., *Asst. County Agt. Leader.*
‡W. W. Clark, M. S., *Asst. County Agt. Leader.*
‡A. H. Cole, Ph. B., *Asst. Supt. Farmers' Insts.*
‡E. L. Luther, B. S., *Supt. Farmers' Insts.*
‡Wakelin McNeel, B. S., *Asst. State Club Leader (For.).*
‡W. A. Rowlands, B. S., *Asst. County Agt. Leader.*
‡Elizabeth M. Salter, B. S., *Asst. State Club Leader.*
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Genetics:

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Home Economics—Continued.

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Horticulture:

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*†O. B. Combs, B. S., *Asst. in Hort.*
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*†R. H. Roberts, Ph. D., *Prof. Hort.*

Journalism (Agr.):

*†‡A. W. Hopkins, B. L., *Prof. and Chair. of Dept. Editor.*
*‡Kenneth Gapen, M. S., *Asst. in Agr. Journalism.*
*‡Waida G. Gerhardt, B. S., *Instr. Agr. Journalism.*
*†‡Grace E. Langdon, M. A., *Instr. Agr. Journalism; Asst. Editor.*
*‡R. H. Rasmussen, B. S., *Instr. Agr. Journalism.*
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Plant Pathology:

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*†J. G. Dickson, Ph. D., *Prof. Plant Path. (Coop. U. S. D. A.).*
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*†‡E. L. Kirkpatrick, Ph. D., *Assoc. Prof. Rural Sociol.*
†‡Ethel Peterson, Ph. B., *Asst. in Rural Sociol.*
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*‡C. J. Chapman, B. S., *Prof. Soils.*
*†E. J. Graul, M. S., *Assoc. Prof. Soils.*
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*A. S. Alexander, F. H. A. S., M. D. C., *Emeritus Prof. Vet. Sci.*
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†C. A. Herrick, D. Sc., *Asst. Prof. Vet. Sci.*

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†‡Jennie Pitman, *Illustrator.*
*†Josephine Shealy, *Senior Libr. Asst.*
*†Gladys Sutherland, B. A., *Asst. Libr.*
†Raphael Zon, B. S. F. E., *Prof. For. (Coop. U. S. D. A.: P. O., University Farm, St. Paul, Minn.).*

Substations:
Ashland, Spooner, and Peninsular Stas.—
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A. L. Bibby, B. S., *Asst. in Agron. (P. O., Spooner).*
Clarence Draeger, *Technician in Agron. (P. O., Ashland).*
David Holt, B. S., *Asst. in Agron. (P. O., Ashland).*
A. M. Strommen, B. S., *Asst. in Agron. (P. O. Ashland).*
Hancock and Coddington Stas.—
A. R. Albert, B. S., *in charge (P. O., Hancock).*
Marshfield Sta.—
F. L. Musbach, B. S., *in charge.*
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WYOMING

College of Agriculture and the Agricultural Experiment Station of the University of Wyoming, *Laramie*

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*†J. A. Hill, B. S., *Dean Coll. of Agr., Dir. of Sta. Wool Specialist*
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Agronomy and Economics (Agr.):
*†A. F. Vass, Ph. D., *Prof. Agron.; Agron.*
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*†Harry Pearson, M. S., *Instr. Agr. Econ.; Asst. Agron.*
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†J. H. Draize, Ph. D., *Asst. Pharmacol.*
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*F. C. Freytag, Ph. D., *Instr. Chem.*
†C. S. Gilbert, M. A., *Asst. Research Chem.*
*†F. E. Hepner, M. S., *Prof. Chem.; Head of Weather Sta.*
†O. C. McCreary, Ph. D., *Assoc. Research Chem.*
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*L. E. Walter, M. S., *Prof. Chem. (State Chem.).*

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Education (Agr.):
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Entomology and Apiculture:
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†C. H. Gilbert, M. S., *Asst. Research Apiculturist.*
†A. P. Sturtevant, Ph. D., *Assoc. Apiculturist in charge U. S. Intermountain Bee Culture Field Sta.*

[1] On leave.

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‡Mary G. Collopy, B. S., *State Home Dem. Leader.*
‡B. W. Marston, B. S., *State Club Leader.*
‡G. W. O'Roke, *Admin. Asst.*

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‡Evangeline Jennings, B. S., *Foods and Nutr. Specialist.*
*Veva E. Lukin, M. A., *Instr. Teacher Training in Home Econ.*[2]
*Marita Monroe, M. S., *Asst. Prof. Institutional Mgt.*
‡Esther E. Pond, B. S., *Home Mgt. Specialist.*
*†Emma J. Thiessen, M. A., *Asst. Prof. and Asst. Research Home Econ.*

Horticulture:

‡W. O. Edmondson, B. S., *Farm For. and Hort. Specialist.*
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Veterinary Science and Bacteriology:

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Zoology:

*†J. W. Scott, Ph. D., *Prof. Zool.; Research Zool. and Parasitol.*
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‡A. S. Hamm, B. S., *Rodent Control Specialist (Coop. U. S. D. A.).*
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*A. B. Mickey, M. A., *Asst. Prof. Zool.*
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Campbell County Expt. Farm, *P. O., Gillette*—P. K. Thompson, B. S., *Supt.*
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Fremont County Expt. Farm, *P. O., Lander*—J. M. Steinbrech, *Supt.*
Goshen County Expt. Farm, *P. O., Torrington*—Wesley Roath, M. S., *Supt.*
Lincoln County Expt. Farm, *P. O., Afton*—R. J. Hyer, B. S., *Supt.*
Sheridan Expt. Farm, *P. O., Sheridan*—R. S. Towle, B. S., *Supt.*
Sweetwater County Expt. Farm, *P. O., Eden*—S. F. Martin, B. S., *Supt.*
Uinta County Expt. Farm, *P. O., Lyman*—T. J. Brough, *Supt.*
Washakie County Expt. Farm, *P. O., Worland*—A. S. Ingraham, B. S., *Supt.*

[1] For subject-matter workers see the respective division; i. e., agronomy and economics (agr.), animal production, etc.
[2] Given in College of Education.

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Bailes, E. L., 10a.
Bailey, C. H., 45a.
Bailey, C. T., 1a.
Bailey, D. H., 78a.
Bailey, E. H., 48a.
Bailey, E. M., 12a.
Bailey, F. D., 75a.
Bailey, F. E., 92a.
Bailey, G. W., 91a.
Bailey, H. G., 59a.
Bailey, H. R., 1a.
Bailey, I. M., 93b.
Bailey, J. E., 17b.
Bailey, J. S., 41a.
Bailey, R., 90b.
Bailey, R. M., 36b.
Bailey, R. Y., 1a.
Bailey, S. B., 49a.
Bailey, S. F., 7b.
Bainer, R., 7a.
Baines, R. C., 23a.
Baird, R. W., 89b.
Baker, A. L., 78b.
Baker, C. A., 11b.
Baker, C. E., 24b.
Baker, F. S., 8a.
Baker, G. J., 68a.
Baker, G. L., 13a.
Baker, G. O., 94a.
Baker, H. A., 35b.
Baker, H. J., 57a.
Baker, H. P., 39a.
Baker, H. R., 4a.
Baker, J. C., 40a.
Baker, J. E., 15a.
Baker, K. G., 2b.
Baker, M. P., 26b.
Baker, O. A., 89a.
Baker, P., 16b.
Baker, T. A., 13a.
Baker, T. N., 94a.
Baker, W. C., 62a.
Bakke, A. L., 26a.
Bakke, Mrs. J. A., 27b.
Bakken, H. H., 98b.
Balbach, P. I., 25a.
Balch, W. B., 32a.
Baldwin, G. H., 81b.
Baldwin, H. I., 79a.
Baldwin, I. L., 97a, 98a.
Baldwin, J. C., 15a.
Baldwin, R. J., 41a.
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Ball, C. D., jr., 42a.
Ball, E. D., 3b.
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Ballard, Mrs. R. J., 15a.
Ballard, W. R., 39a.
Ballinger, R. A., 74a.
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Balthis, R. F., 88b.
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Bandemer, S. L., 42a.
Banks, C. H., 89a.
Banks, G. H., 5b.
Banks, W. R., 89a.
Banta, L., 41b.
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Barbee, O. E., 94a.
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Barden, R. D., 70a.
Bare, O. S., 54a.
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Barham, J. F., 51b.
Barich, P. A., 59a.
Barker, Mrs. E. P., 27b.
Barker, H. C., 37b.
Barkley, M., 34a.
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Barlow, J., 81b.
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Barnes, I. M., 22a.
Barnes, L. H., 70a.
Barnes, N. A., 81b.
Barnett, R. J., 32a.
Barnette, R. M., 14a.
Barnhart, G. H., 18a.
Barnum, F., 52a.
Barr, C. W., 44a.
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Barr, H. T., 35b.
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Barrett, F. N., 44a.
Barrett, J. T., 9a.
Barrett, R. H., 40b.
Barron, J. H., 61a.
Barrows, Mrs. E. S., 90b.
Barrows, W. M., 71b.
Barrus, M. F., 64b.
Barry, Mrs. M. W., 88b.
Barss, H. P., 75a.
Bartel, A. T., 3a.
Bartel, F. O., 66a.
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Bartlett, J. M., 37a.
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Bartram, M. T., 38a.
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Basinger, A. J., 7b.
Bassett, L. B., 45b.
Bastress, A. W., 3a.
Batchelder, E. L., 95a.
Batchelor, H. W., 71a.
Batchelor, L. D., 6a, 8a.
Bate, E. B., 90b.
Bateman, B. A., 35b.
Bateman, G. Q., 90a.
Bateman, J. W., 34a.
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Bates, E. A., 62b.
Batjer, L. P., 64a.
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Bayne, T. L., jr., 62a.
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Beach, C. L., 11a.
Beach, F. H., 71a.
Beach, G. A., 11a.
Beach, J. R., 9b.
Beach, K. H., 88b.
Beach, W. S., 78a.
Beachell, H. M., 89a.
Beadle, A. P., 24b.
Beadles, J. R., 20b.
Beal, W. H., II.
Beall, T., 70b.
Beals, O. K., 75b.
Beam, A. L., 78a.
Beam, Mrs. M. W., 22a.
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Beggs, A. F., 56b.
Behney, W. H., 92b.
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Beisel, Mrs. M. T., 24b.
Belding, H. S., 12b.
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Bennett, E. (Wis.), III.
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Bizal, Mrs. R. S., 63a.
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Blair, J. C., 22b.
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Brandon, Mrs. V. H., 76b.
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Burch, H. F., 16a.
Burch, J. W., 50a.
Burd, J. S., 6b.
Burdette, J. W., 82a.
Burdette, R. C., 59a.
Burdick, H., 81a.
Burdick, R. T., 10a.
Burg, A. G., 85a.
Burge, C. A., 78a.
Burgess, Mrs. I. M., 36b.

Burgess, J. P., 83a.
Burgess, P. S., 3a.
Burgoin, A. M., 63b.
Burgoyne, D. A., 91a.
Burgwald, L. H., 69b.
Burk, E. F., 74b.
Burkart, F. L., 19a.
Burke, A. D., 1a.
Burke, B. E., 14a.
Burke, E., 52a.
Burke, E. S., 36a.
Burke, V., 94a.
Burkhart, B. A., 98a.
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Burkholder, C. L., 24b.
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Burnam, A., 33b.
Burnett, E. A., III, 53a.
Burnett, G., 95b.
Burnett, L. C., 27b.
Burnett, W. L., 10b.
Burnette, A. C., 34a.
Burnham, D. R., 60b.
Burnham, S. H., 61b.
Burns, E. H., 5b.
Burns, F. W., 1a.
Burns, G. P., 91a.
Burns, Mrs. K. V., 21b.
Burns, M. E., 52a.
Burns, P. W., 89a.
Burns, R. H., 100a.
Burns, W. E., 26a.
Burr, W. H., 51b.
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Burrell, A. B., 64b.
Burrell, R. C., 69b.
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Burroughs, B. B., 3b.
Burroughs, I. C., 88b.
Burrows, J. A., 73b.
Burruss, J. A., III, 92a.
Burt, F. A., 88b.
Burt, H. J., 51b.
Burt, J. H., 32b.
Burt, N., 42b.
Burt, U. S., 76a.
Burtner, J. C., 77a.
Burton, G. W., 59b.
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Burwash, G., 92a.
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Busic, W. H., 9b.
Bussell, F. P., 64a.
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Butcher, F. G., 62b.
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Butler, O. R., 56a.
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Butt, Mrs. G. L., 63b.
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Bywater, Mrs. E. M., 28a.

Cadley, E. M., 71a.
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Cain, C. B., 48a, 49b.
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Caldwell, A. B., 84b.
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Calfee, R., 33b.
Calhoun, F. H. H., 82a.
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Call, L. E., III, 30a.
Callahan, E. M., 70b.
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Callaway, M., 16b.
Callenbach, E. W., 79b.
Callenbach, J. A., jr., 98b.
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Camburn, O. M., 91a.
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Cameron, T. H., 67b.
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Camp, W. H., 69a.
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Campbell, J. C., 59b.
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Carleton, R. K., 81a.
Carlson, E. R., 100b.
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Carter, W. H., jr., 11b.
Carter, W. T., 89a.
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Chapman, C. J., 100a.
Chapman, C. W., 44a.

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Clark, N. A., 26b.
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Clark, S. W., 88a. 89b.
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Clarke, G. M., 16b.
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Clarke, W. S., jr., 79b.
Clausen, R. E., 8a.
Clavell, C. J., 81a.
Claybaugh, J. H., 54b.
Claypool, L. L., 95b.
Clayton, Mrs. C. B., 90b.
Clayton, H. G., 14b.
Claytor. Mrs. B., 88b.
Cleaver, H. M., 24b.
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Cleland, S. B., 46a.
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Cobb, A. D., 13b.
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Colby, A. S., 22b.
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Cole, G. M., 75a, 76a.
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Cole, R. H., 54a.
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Coleman, I. L., 15a.
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Davis, L. S., 54a.
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Fowler, J. R., 36a.
Fowler, M. B., 63a.
Fox, F. E., 77a.
Fox, G. W., 29a.
Fox, R. H., 86a.
Frame, B. H., 50b.
Frame, N. T., 96a.
France, R. L., 39a.
Francioni, J. B., 35a.
Francis, M., 89a.
Francis, M. D., 42b.
Francklow, J. K., 89a.
Frandsen, J. H., 40a.
Frandsen, P., 55a.
Frank, E. R., 32b.
Frank, G., 97a.
Franke, K. W., 84a.
Franklin, H. J., 41b.
Franzke, C. J., 83b.
Fraps, G. S., 87b.
Fraser, A. C., 64a.
Fraser, W. J., 21a.
Frayser, M. E., 82b.
Frear, D. E., 80a.
Fred, E. B., 98a.
Frederick, H. J., 91a.
Freeborn, S. B., 7b.
Freeland, R. O., 69a.
Freeman, E. M., III, 45a.
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Freeman, Mrs. R. C., 22a.
Freeman, V. A., 41a.
Freeman, V. C., 23a.
Freeman, W. R., 9b.
French, A. P., 41a.
French, M. P., 12a.
French, O. C., 7a.
Freytag, F. C., 100b.
Friant, R. J. (Iowa), 28a.
Friant, R. J. (W. Va.), 96a.
Frick, E. J., 32b.
Friend, R. B., 13a.
Friend, W. H., 89b.
Frier, G. M., 24a.
Fries, J. A., 80a.
Frisbie, L. I., 54a.
Frischknecht, C., 90a.
Fritchoff, A. C., 76a.
Fritz, E., 8a.
Frodsham, J., 51b.
Froker, R. K., 98b.
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Fromme, F. D., 96a.
Frost, H. B., 8b.
Frost, J. T., 23a.
Frost, K. R., 7a.
Frost, S. W., 79b.
Frost, W. D., 98a.
Frutchey, C. W., 41b.
Fry, J. M., 78b.
Fudge, B. R., 15b.
Fudge, J. F., 87b.
Fuhr, C., 51a.
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Fuller, F. D., 88b.
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Fulmer, E. I., 26b.
Fulton, B. B., 67b.
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Funchess, M. J., 1a.
Funk, E. M., 51b.
Funkhouser, J. A., 56a.
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Gaines, E. F., 94a.
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Gaines, N. W., 54a.
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Gainey, P. L., 30b.
Gallagher, H. J., 42b.
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Galloway, J. C., 27a.
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Gamble, M. E., 24b.
Gambrell, F. L., 65b.
Gandy, J. M., 94a.
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Garber, R. J., 96a.
Garcia, F., 60a.
Gard, N. A., 12b.
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Gardner, G. R., 94a.
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Gardner, J. S., 34a.
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Granholm, P. R., 29b.
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Gratz, L. O., 15b.
Graul, E. J., 100a.
Gravitt, W. T., 2a.
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Gray, D. T., 4a.
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Grimes, J. C., 1a.
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Grinstead, L. R., 50b.
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Haines, G., II.
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Ogden, W. B., 99b.
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Ogle, R. C., 64b.
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Oliver, A. W., 75a.
Oliver, J. G., 16b.
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O'Loughlin, M. A., 60b.
Olsen, A. L., 63b.
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Palmer, H. S. (Hawaii), 18b.
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Palmer, M. A., 10b.
Palmer, P. F., 24b.
Palmer, R. H., 52b.
Palmer, W. C., 68b.
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Steen, E. B., 23a.
Steenbergen, W. A., 3b.
Steenbock, H., 98a.
Steers, M. A., 47a.
Steffen, E. H., 95a.
Steffens, H. W., 20b.
Steinbauer, G. P., 36b.
Steinbrech, J. M., 101b.
Steininger, G., 74b.
Steinmetz, F. H., 36b.
Stelzer, R. O., 96a.
Stemmons, W., 12a.
Stene, A. E., 81b.
Stenzel, H. B., 88b.
Stephens, D. E., 77b.
Stephens, J. C., 89b.
Stephens, J. L., 17b.
Stephens, Mrs. J. L., 17b.
Stephens, M., 28b.
Stephens, P. H., 74a.
Stephenson, N. M., 24a.
Stephenson, R. E., 77a.
Stephenson, R. S., 26a.
Stephl, E. O., 53b.
Sterges, A. J., 87b.
Stevens, A. T., 12b.
Stevens, C. L., 56b.
Stevens, F. D., 15b.
Stevens, H. B., 56b.
Stevens, K. R., 90a.
Stevens, Mrs. M. R., 50b.
Stevens, O. A., 68a.
Stevens, W. M., 35a.
Stevenson, M. B., 82a.
Stevenson, W. H., 27b.
Stewart, C. L., 21b.
Stewart, F., 2b.
Stewart, F. C., 65a.
Stewart, H. C., 60b.
Stewart, J., 26a.
Stewart, L. C., 10a.
Stewart, Mrs. M. L., 37b.
Stewart, O. M., 51b.
Stewart, P. H., 53a.
Stewart, R., 55a.
Stewart, R. M., 62b.
Stewart, R. T., 87a.
Stewart, S., 36b.
Stewart, S. E., 10a.
Stewart, T. G., 9a.
Stewart, W. F., 70a.
Stickney, B., 69b.
Stier, R. F. E., 94a.
Stiles, C. F., 74a.
Stiles, H., 29a.
Stillman, E., 81b.
Stillman, G. S., 99b.
Stinson, T. B., 32b.
Stirland, L. L., 64b.
Stivers, E. D., 85b.
Stoa, T. E., 68a.
Stockdale, C. E., 96a.
Stoddard, E. M., 13a.
Stokdyk, E. A., 7a.
Stokes, W. E., 14a.
Stoll, F. C., 24b.
Stoltz, R. B., 69b.
Stolworthy, M. J., 56b.
Stone, A. L., 97a.
Stone, G. M., 23a.
Stone, P. H., 18b.
Stone, W. E., 91a.
Stoneberg, H., 35a.
Storer, T. I., 7b.
Storie, R. E., 6a.
Stott, C. O., 90b.
Stouder, K. W., 29b.
Stough, H. B., 20b.
Stout, A. F., 60b.
Stout, E. T., 53b.
Stout, G. J., 79b.
Stout, W. B., 24a.
Stoutemeyer, V. T., 29a.
Stover, H. J., 7a.
Stover, W. G., 69b.
Stracener, C. L., 36b.
Strahan, H. B., 74b.
Strand, A. B., 86b.
Strand, A. L., 52b.
Strand, O., 69a.
Stratton, G. E., 12b.
Stratton, R., 73b.
Strawn, B. M., 47a.
Strayer, E. F., 74b.
Street, O. E., 13b.
Streeter, L. R., 65a.
Streets, R. B., 4b.
Streinz, A. J., 35b.
Strickland, G., 76b.
Strickland, L., 96b.
Stringfield, G. H., 72a.
Stroman, G. N., 60a.
Strommen, A. M., 100b.
Strong, F. C., 42a.
Strong, Mrs. F. C., 42a.
Strong, V. A., 60b.
Strong, W. O., 94b.
Strubinger, L. H., 13b.
Struble, E. B., 62a.
Stuart, H. O., 81a.
Stubblefield, D. A., 20b.
Stuckey, H. P., 17a.
Studley, L. A., 47a.
Sturgis, M. B., 35a.
Sturkie, D. G., 1a.
Sturlaugson, V., 69b.
Sturtevant, A. P., 100b.
Sudds, R. H., 79b.
Sugg, R. S., 1a.
Sullivan, G., 34b.
Sullivan, J., 88b.
Sullivan, J. T., 25b.
Sullivan, L. M., 28b.
Sulzby, Mrs. J. J., 49a.
Summers, O. N., 100a.
Summers, T. H., 10a.
Sumner, C. B., 35a.
Sumner, W. A., 99b.
Sunderlin, G. L., 24b.
Supplee, W. C., 38a.
Sure, B., 4b.
Surr, J. G., 8b.
Sussex, S. W., 84b.
Sutherland, G., 100b.
Sutherland, J. L., 53b.
Sutherland, M. E., 10b.
Suttle, A. D., 48a.
Sutton, G. M., 62b.
Sutton, T. S., 69a, 72b.
Svendby, C., 95a.
Svihla, A., 95b.
Swaffar, P., 92b.
Swanback, T. R., 13b.
Swanson, A. F., 32b.
Swanson, C. O., 32a.
Swanson, L. V., 28b.
Swanson, P. P., 28b.
Swartwout, H. G., 51b.
Swartz, D., 5b.
Swartz, V. W., 95a.
Sweet, M. B., 20b.
Sweetman, H. L., 40b.
Sweetman, Mrs. M. D., 37b.
Swenk, M. H., 54a.
Swier, G. B., 94a.
Swift, H. C., 36a.
Swift, R. W., 80b.
Swingle, D. B., 52a.
Swingle, H. S., 2b.
Swinney, H. J., 28b.
Swire, R. P., 36b.
Swope, W. D. (N. Y.), 64b.
Swope, W. D. (Pa.), 78b.
Sykes, J. D., 49a.
Symons, T. B., III, 37a.
Szymoniak, B., 36b.

Taberner, F. R., 32b.
Tabor, A., 18b.
Tabor, E. C., 42a.
Tabor, P., 16a.
Taff, P. C., 27b.
Taggart, W. G., 34a, 35b.
Tague, E. L., 30b.
Tague, W. H., 40a.
Tailby, G. W., 61b.
Takahashi, M., 18a.
Talbert, E. H., 82b.
Talbert, M. C. A., 2b.
Talbert, T. J., 51a.
Talbot, N. A., 74b.
Talbot, R. C., 93a.
Talbot, R. F., 36a.
Taliaferro, W. T. L., 38b.
Tanner, Mrs. A. L., 50b.
Tanner, J. E., 49a.
Tanquary, M. C., 46b.
Tapley, W. T., 66b.
Tarr, W. A., 51a.
Tarrant, L., 92b.

Tate, H. D., 29b.
Taubenhaus, J. J., 89a.
Tavernetti, J. R., 7b.
Tavernetti, T. F., 6a.
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Taylor, C., 93b.
Taylor, C. A., 63a.
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Taylor, F. W., 56a.
Taylor, G. E., 42a.
Taylor, G. S., 45b.
Taylor, I. A., 43b.
Taylor, J., 69a.
Taylor, J. B., 84b.
Taylor, J. C. (Mont.), 52a.
Taylor, J. C. (N. J.), 58b.
Taylor, J. E., 75b.
Taylor, J. R., 1a.
Taylor, Mrs. J. T., 33b.
Taylor, L. B., 19a.
Taylor, L. C., 76b.
Taylor, Mrs. L. R., 32b.
Taylor, L. W., 9b.
Taylor, M. F., 32a.
Taylor, M. W., 57a.
Taylor, O. B., 67b.
Taylor, R. W., 2a.
Taylor, T. G., 90b.
Taylor, W. A., III.
Taylor, W. P., 3b.
Teal, E. E., 70b.
Tear, J. F., 43b.
Temple, C. E., 38a.
Templeton, W. A., 48a.
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Tennant, J. L., 81b.
Tenny, R. W., 45a.
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Thomas, C. A., 79b.
Thomas, E. E., 6b.
Thomas, E. F., 14a.
Thomas, F. L., 88a.
Thomas, Harold E., 9a.
Thomas, Harvey, E., 9a.
Thomas, H. L., 45a.
Thomas, J. J., 78a.
Thomas, J. L. (Nebr.), 54b.
Thomas, J. L., (Tex.), 87a.
Thomas, J. R., 94b.
Thomas, M. E., 67a.
Thomas, R., 18b.
Thomas, R. C., 72a.
Thomas, R. P., 37b.
Thomas, W., 78a.
Thomas, W. P., 90a.
Thomasson, R. R., 50a, b.
Thompson, B. G., 76a.
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Thompson, P. K., 101b.
Thompson, R. B., 74b.
Thompson, R. E., 57b.
Thompson, R. L., 35a.
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Thompson, S. H., 27a.
Thompson, W. C., 58b, 59b.
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Thompson, W. L., 15b.
Thompson, W. W., 44b.
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Thomsen, L. C., 98a.
Thordarson, T. W., 68b.
Thorfinnson, T. S., 84a.
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Thornber, J. J., 3a.
Thorne, C. E., 71a.
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Thorp, F., jr., 21a.
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Tims, E. C., 35a.
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Tinker, J. M., 16b.
Tinley, J. M., 7a.
Tippett, J. E., 7b.
Tirrell, L. V., 56a.
Tisdale, H. B., 1a.
Tisdale, W. B., 15a.
Tissot, A. N., 14b.
Titus, C. M., 7b.
Tobey, E. R., 37a.
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Tobey, S. C., 10a.
Tobiska, J. W., 10a.
Todd, A. E., 21b.
Todd, C. C., 94b.
Todd, L. C., 25a.
Toenjes, W., 45a.
Toevs, J. L., 20b.
Tolaas, A. G., 47a.
Toliver, J. O., 9b.
Tolley. H. R., 6a, 7a.
Tom, R. B., 70a.
Tomey, L. F., 78b.
Tomhave, A. E., 13a.
Tootell, R. B., 52b.
Torgerson, E. F., 77a.
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Toth, L., 63b.
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Townsend, G. R., 15b.
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Transeau, E. N., 69a.
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Travis, B., 29b.
Treanor, K., 16a.
Trebra, R. L. von, 32b.
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Trent, D. P., III, 73a.
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Triebold, H. O., 78a.
Trigg, E. G., 94b.
Trimble, H. M., 74a.
Trimble, R. E., 10b.
Triolo, V. J., 58b.
Triplett, D., 32a.
Trollope, G. A., 1a.
Troop, J., 24a.
Trost, J. F., 23a.
Troth, E. O., 24a.
Trotter, I. P., 51a.
Trout, C. E., 74b.
Trout, G. M., 42a.
Trowbridge, E. A., 50a.
Trowbridge, P. F., 68a.
Troy, H. C., 62a.
True, Mrs. A. D., 47a.
True, L., 53a.
Trullinger, R. W., II.
Trump, E. G., 43b.
Truog, E., 100a.
Tubby, E., 11a.
Tucker, C. M., 50a.
Tucker, D. A., 93b.
Tucker, H. H., 59a, 60b.
Tucker, L. R., 20a.
Tucker, R. E., 32a.
Tuckey, S. L., 21a.
Tuckwiller, R. H., 96a.
Tufts, W. P., 8b.
Tukey, H. B., 65b.
Tullis, E. C., 5b.
Tully, W. C., 84b.
Tungeln, G. H. Von, 27a.
Tunnicliff, E. A., 53a.
Turk, L. M., 44b.
Turlington, J. E., 14a.
Turnbull, E. E., 70b.
Turneaure, F. E., III.
Turner, A. A., 15b.
Turner, C. N., 36a.
Turner, C. W., 50b.
Turner, E., 43b.
Turner, F. H., 68b.
Turner, J. D., 34b.
Turner, J. R., III, 96a.
Turner, L. G., 79a.
Turner, L. M., 5b.
Turner, M. E., 28b.
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Turner, R. G., 86a.
Turner, R. M., 95a.
Turner, V. C., 3b.
Tussing, E. B., 71a.
Tuttle, A. P., 41a.
Twight, E. H., 80b.
Twitchell, H. P., 70a.
Tyler, A. G., 46a.
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Tyson, J., 44b.

Ufer, D., 70b.
Ufford, O. C., 9b.
Ullyot, L. L., 46a.
Ulrey, O., 42b.
Ulrich, C. A., 94a.
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Umberger, H. J. C., III, 30a.
Underhill, G. W., 93a.
Underwood, F. L., 93a.
Underwood, F. O., 64a.
Underwood, J. K., 85a.
Upp, C. W., 35a.
Upshaw, L. M., 2b.
Upson, F. W., 53b.
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Vail, C. E., 10a.
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Valentine, E. I., 14b.
Valiente, R. R., 80a.
Valleau, W. D., 33a.
Van Alstine, E., 61a.
van Alstyne, L. M., 66a.
Vanatter, P. O., 16a.
VanCamp, J. L., 43b.
Vance, T. F., 28b.
Van Cleef, C. B., 15a.
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Vandecaveye, S. C., 94a.
Vander, J. B., 91b.
van der Meulen, P. A., 57b.
Vandervort, J., 79b.
Van Doren, C. A., 20b.
Van Dyke, E. C., 7b.
Van Es, L., 54b.
Van Eseltine, G. P., 66a.
Van Haltern, F., 17a.
Van Landingham, A. H., 96a.
Van Lone, E. E., 23a.
Van Mater, H. L., 57b.
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Van Roekel, H., 41b.
Vanselow, A. P., 6b.
Van Volkenberg, H. L., 80a.
Van Wagenen, A., 64b.
Varney, H. R., 62a.
Varney, V. V., 99a.
Vass, A. F., 100a.
Vaughan, H. L., 8b.
Vaughan, L. M., 62a.
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Veatch, J. O., 44b.
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Verbeck, R. H., 41b.
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Vickery, H. B., 12b.
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Vinke, L., 52a.
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Wachter, H. M., 73b.
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Waldo, G. F., 76b.
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Walker, Mrs. D. D., 83a.
Walker, E. A., 84a.
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Walker, H. G., 94b.
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Walker, L. S., 91b.
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Walker, R. H., 28a.
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Walker, W. P., 38b.
Walkey, F. L., 25b.
Wall, R. E., 52b.
Wallace, B. A., 70a.
Wallace, C. R., 88b.
Wallace, D. B. Johnstone-, 61a.
Wallace, E. T., 23b.
Wallace, F. G., 46b.
Wallace, H. F., 49b.
Wallace, H. M., jr., 74a.
Wallace, J. J., 27a.
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Waller, C. H., 90b.
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Wallrabenstein, P. P., 72b.
Walls, E. E., 22a.
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Walpole, B. A., 42b.
Walsh, F. E., 29b.
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Walster, H. L., 68a.
Walter, D. H., 78b.
Walter, E. J., 77b.
Walter, L. E., 100b.
Walters, J. C., 17b.
Waltman, C. S., 34a.
Walton, T. O., III, 87a.
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Wann, F. B., 90a.
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Ward, G. H., 93a.
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Ware, B. M., 3b.
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Ware, L. M., 2a.
Ware, R. E., 83b.
Warfel, H. E., 40b.
Waring, Mrs. E. B., 63b.
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Watkins, W. E., 60a.
Watkins, W. F., 28a.
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Watson, J. B., 5a.
Watson, J. F., 93b.
Watson, J. R., 14b.
Watson, S. J., jr., 83b.
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Weakley, C. E., jr., 96a.
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Weakly, H. E., 55b.
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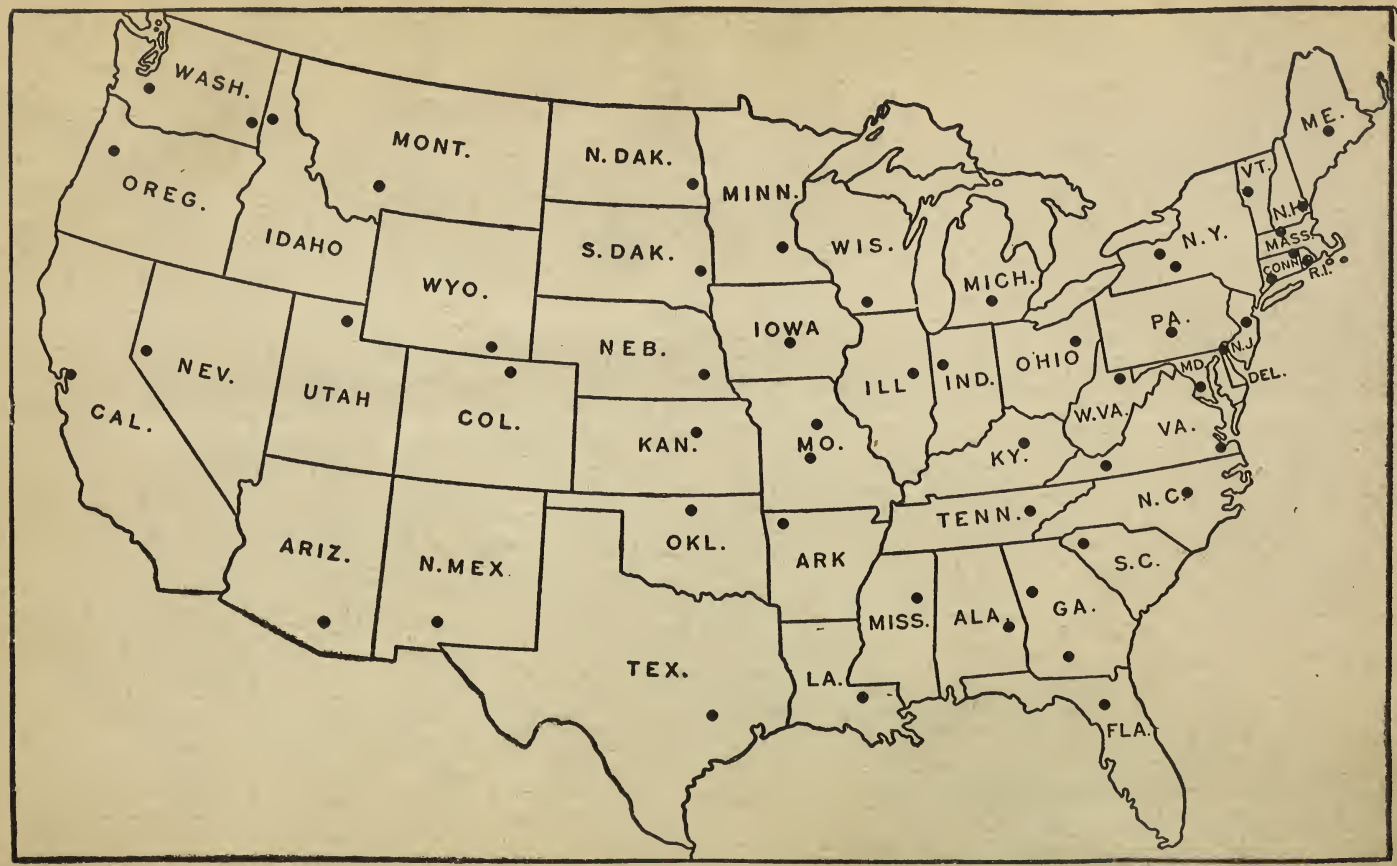

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